

REMARKS TO FIGURES

AMENDMENTS TO THE FIGURES are reflected in drawings, which begin on page 240 of this paper and replaces all prior versions of the drawings in the application. Applicant has made minor amendments herein to the drawings to voluntarily correct certain instances of incorrect element callouts and bring the drawings into compliance with 37 CFR §1.121(d) and thus Applicants amendments add no new matter.

REPLACEMENT SHEET 1:

FIG. 1 is amended herein to include a block representing a data cartridge magazine 101 and an arrow indicating an interior space 103.

FIG. 2A is amended herein to label the two-way arrows, previously un-labeled, to indicate access from the robot 134 to the drive(s) as shown by arrow 129 and indicate access from the robot 134 to the shelf/shelves 130 as shown by arrow 131.

REPLACEMENT SHEET 2:

FIG. 2B is amended herein to bring FIG. 2B in compliance with 37 CFR §1.84.

FIG. 2C is amended herein to bring FIG. 2C in compliance with 37 CFR §1.84.

REPLACEMENT SHEET 3:

FIG. 2D is amended herein to bring FIG. 2D in compliance with 37 CFR §1.84.

FIG. 2E is amended herein to bring FIG. 2E in compliance with 37 CFR §1.84.

REPLACEMENT SHEET 4:

FIG. 3A is amended herein to label the two-way arrows for better clarification. Two-way arrow 147A, previously un-labeled, indicates access by the robot 154 to and from the drive 146. Two-way arrow 147B, previously un-labeled, indicates access by the robot 154 to and from the shelf 148. Two-way arrow 145, previously un-labeled, indicates the direction of motion of the robot 154 within the circular library.

FIG. 3B is amended herein to re-label the single block representing the drive(s) and/or shelf from 146 and 148 to 147. Two-way arrow 147C, previously un-labeled, indicates access by the robot 154 to and from the drive(s) and/or shelf 147. Radial lines 150A and 150B, previously un-labeled, are amended with labels reflecting the description of FIG. 3B. A two-way arrow at one side of the robot 154 was redrawn from two one-way arrows at either side of the robot 154.

REPLACEMENT SHEET 5:

FIG. 3C is amended herein to re-label the single block representing the shelf and/or drive from 146 and 148 to 147. Two-way arrow 147D, previously un-labeled, indicates access by the robot 154 to and from the drive(s) and/or shelf 147. Radial lines 150A and 150B are inserted. The circular/cylindrical arc 156A, previously un-labeled, is now labeled.

FIG. 3D is amended herein to re-label the two blocks representing the shelf and/or drive from 146 and 148 to 147. Radial lines 150A and 150B are inserted. The robot block 154 is amended to “Robot” from “R”.

REPLACEMENT SHEET 6:

FIG. 3E is amended herein to re-label the two blocks representing the shelf and/or drive from 146 and 148 to 147.

FIG. 3F is amended herein to re-label the three blocks representing the shelf and/or drive from 146 and 148 to 147. The robot block 154 is amended to “Robot” from “R”.

REPLACEMENT SHEET 7:

FIG. 3G is amended herein to re-label the block representing the shelf and/or drive from 146 and 148 to 147. The robot block 154 is amended to “Robot” from “R”. The two way arrow indicating the direction of movement of the Robot 154 is moved to the side from the bottom of the robot 154.

FIG. 4A is amended herein to label the two-way arrow 171 for indicating the direction of the rotation of the shelf structure 166 relative the robot 170 and drive(s) 172.

FIG. 4B is amended herein to label the two-way arrow 173 for indicating the direction of the rotation of the rotating drive structure 174 relative the robot 170.

REPLACEMENT SHEET 8:

FIG. 5A is amended herein to add label 187 to identify the back surface of the drive 180.

FIG. 5B is amended herein to correct for a miss-label of the third surface from 19B to 190B.

REPLACEMENT SHEET 9:

FIG. 5C is amended herein to bring FIG. 5C in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 10:

FIG. 6A is amended herein to bring FIG. 6A in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 11:

FIG. 6B is amended herein to bring FIG. 6B in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 12:

FIG. 6C is amended herein to correct for a miss-label of the second caster from 364B to 360B.

REPLACEMENT SHEET 13:

FIG. 7A is amended herein to bring FIG. 6B in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 14:

FIG. 7B is amended herein to change the label for the drives from 210 to 180.

REPLACEMENT SHEET 15:

FIG. 8A is amended herein to bring FIG. 8A in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 16:

FIG. 8B is amended herein to change the label for the drives from 210 to 180.

REPLACEMENT SHEET 17:

FIG. 9A is amended herein to bring FIG. 9A in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 18:

FIG. 9B is amended herein to bring FIG. 9B in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 19:

FIG. 10A is amended herein to correct for a miss-label of the second end of the cartridge from 246A to 246B.

REPLACEMENT SHEET 20:

FIG. 10B is amended herein to bring FIG. 10B in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 21:

FIG. 11A is amended herein to bring FIG. 11A in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 22:

FIG. 11B is amended herein to bring FIG. 11B in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 23:

FIG. 12A is amended herein to bring FIG. 12A in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 24:

FIG. 12B is amended herein to bring FIG. 12B in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 25:

FIG. 12C is amended herein to include the label 270 for the magazine.

REPLACEMENT SHEET 26:

FIG. 12D is amended herein to bring FIG. 12D in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 27:

FIG. 13A is amended herein to bring FIG. 13A in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 28:

FIG. 13B is amended herein to bring FIG. 13B in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 29:

FIG. 14A is amended herein to include the label 277 for the slots in the DLT magazine.

REPLACEMENT SHEET 30:

FIG. 14B is amended herein to bring FIG. 14B in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 31:

FIG. 15 is amended herein to bring FIG. 15 in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 32:

FIG. 16 is amended herein to change the label for the drives from 210 to 180.

REPLACEMENT SHEET 33:

FIG. 17A is amended herein to change the label for the magazine from 380 to 270.

REPLACEMENT SHEET 34:

FIG. 17B is amended herein to change the label for the magazine from 376 to 270.

REPLACEMENT SHEET 35:

FIG. 18A is amended herein to include the label 270 for the magazine and to add the label 415 for the hole that engages a lead screw post.

REPLACEMENT SHEET 36:

FIG. 18B is amended herein to bring FIG. 18B in compliance with 37 CFR §1.121(d).

FIG. 18C is amended herein to bring FIG. 18C in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 37:

FIG. 18D is amended herein to bring FIG. 18D in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 38:

FIG. 18E is amended herein to bring FIG. 18E in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 39:

FIG. 18F is amended herein to bring FIG. 18F in compliance with 37 CFR §1.121(d).

FIG. 19A is amended herein to change the label for the magazine from 466 to 270.

REPLACEMENT SHEET 40:

FIG. 19B is amended herein to change the label for the magazine from 466 to 270.

FIG. 19C is amended herein to change the label for the magazine from 466 to 270.

REPLACEMENT SHEET 41:

FIG. 19D is amended herein to change the label for the magazine from 466 to 270.

REPLACEMENT SHEET 42:

FIG. 19E is amended herein to change the label for the magazine from 466 to 270 and to correct label 442 to 442A.

FIG. 20A is amended herein to bring FIG. 20A in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 43:

FIG. 20B is amended herein to bring FIG. 20B in compliance with 37 CFR §1.121(d).

FIG. 20C is amended herein to bring FIG. 20C in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 44:

FIG. 20D is amended herein to bring FIG. 20D in compliance with 37 CFR §1.121(d).

FIG. 20E is amended herein to bring FIG. 20E in compliance with 37 CFR §1.121(d).

FIG. 21A is amended herein to bring FIG. 21A in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 45:

FIG. 21B is amended herein to bring FIG. 21B in compliance with 37 CFR §1.121(d).

FIG. 22A is amended herein to bring FIG. 22A in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 46:

FIG. 22B is amended herein to bring FIG. 20B in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 47:

FIG. 22C is amended herein to change the label for the magazine from 524 to 270 and to change the SAIT cartridge label from 536 to 240.

REPLACEMENT SHEET 48:

FIG. 23A is amended herein to bring FIG. 23A in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 49:

FIG. 23B is amended herein to bring FIG. 23B in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 50:

FIG. 23C is amended herein to bring FIG. 23C in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 51:

FIG. 24A is amended herein to add label 668 to identify the QIP.

REPLACEMENT SHEET 52:

FIG. 24B is amended herein to bring FIG. 24B in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 53:

FIG. 24C is amended herein to bring FIG. 24C in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 54:

FIG. 24D is amended herein to add label 554 to identify the QIP Bay, correct for a miss-label of the bottom side wall from 590C to 594C and the first side wall from 590D to 594D.

REPLACEMENT SHEET 55:

FIG. 24E is amended herein to bring FIG. 24E in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 56:

FIG. 24F is amended herein to bring FIG. 24F in compliance with 37 CFR §1.121(d).

FIG. 25 is amended herein to bring FIG. 25 in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 57:

FIG. 26A is amended herein to bring FIG. 26A in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 58:

FIG. 26B is amended herein to bring FIG. 26B in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 59:

FIG. 26C is amended herein to bring FIG. 26C in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 60:

FIG. 27A is amended herein to bring FIG. 27A in compliance with 37 CFR
§1.121(d).

REPLACEMENT SHEET 61:

FIG. 27B is amended herein to bring FIG. 27B in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 62:

FIG. 27C is amended herein to bring FIG. 27C in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 63:

FIG. 27D is amended herein to bring FIG. 27D in compliance with 37 CFR
§1.121(d).

REPLACEMENT SHEET 64:

FIG. 27E is amended herein to remove the x/y/z coordinates.

REPLACEMENT SHEET 65:

FIG. 28A is amended herein to bring FIG. 28A in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 66:

FIG. 28B is amended herein to bring FIG. 28B in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 67:

FIG. 29A is amended herein to bring FIG. 29A in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 68:

FIG. 27A is amended herein to correct for a miss-label of the first side of the U shaped channel from 726A to 762A.

REPLACEMENT SHEET 69:

FIG. 29C is amended herein to bring FIG. 29C in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 70:

FIG. 29D is amended herein to bring FIG. 29D in compliance with 37 CFR
§1.121(d).

REPLACEMENT SHEET 71:

FIG. 29E is amended herein to bring FIG. 29E in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 72:

FIG. 29F is amended herein to bring FIG. 29F in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 73:

FIG. 29G is amended herein to bring FIG. 29G in compliance with 37 CFR
§1.121(d).

REPLACEMENT SHEET 74:

FIG. 29H is amended herein to bring FIG. 29H in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 75:

FIG. 30A is amended herein to correct for a miss-label of a second of a pair of rails from 894B to 892B

REPLACEMENT SHEET 76:

FIG. 30B is amended herein to include labels for a pair of bearings 911A and 911B for a lead screw and to include label 925 for a post associated with the lead screw nut.

REPLACEMENT SHEET 77:

FIG. 30C is amended herein to bring FIG. 30C in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 78:

FIG. 30D is amended herein to bring FIG. 30D in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 79:

FIG. 30E is amended herein to bring FIG. 30E in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 80:

FIG. 30F is amended herein to include a label for a hole 927 for receiving the post associated with the lead screw nut.

REPLACEMENT SHEET 81:

FIG. 30G is amended herein to bring FIG. 30G in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 82:

FIG. 31A is amended herein to change the label for the magazine from 988 to 270.

FIG. 31B is amended herein to change the label for the magazine from 988 to 270.

REPLACEMENT SHEET 83:

FIG. 31C is amended herein to change the label for the magazine from 988 to 270 and correct the miss-labels for rail mounting plate from 890 to 890A and the rail from 892 to 892A.

REPLACEMENT SHEET 84:

FIG. 31D is amended herein to change the label for the magazine from 988 to 270.

REPLACEMENT SHEET 85:

FIG. 31E is amended herein to change the label for the magazine from 988 to 270.

REPLACEMENT SHEET 86:

FIG. 31F is amended herein to change the label for the magazine from 988 to 270.

REPLACEMENT SHEET 87:

FIG. 31G is amended herein to change the label for the magazine from 988 to 270.

REPLACEMENT SHEET 88:

FIG. 31H is amended herein to change the label for the magazine from 988 to 270.

REPLACEMENT SHEET 89:

FIG. 31I is amended herein to change the label for the magazine from 988 to 270
correct for the miss-label of the rail from 892 to 892A.

REPLACEMENT SHEET 90:

FIG. 31J is amended herein to change the label for the magazine from 988 to 270.

REPLACEMENT SHEET 91:

FIG. 31K is amended herein to change the label for the magazine from 988 to 270.

REPLACEMENT SHEET 92:

FIG. 31L is amended herein to change the label for the magazine from 988 to 270.

REPLACEMENT SHEET 93:

FIG. 32 is amended herein to bring FIG. 32 in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 94:

FIG. 33A is amended herein to remove the x/y/z coordinates.

REPLACEMENT SHEET 95:

FIG. 33B is amended herein to remove the x/y/z coordinates.

REPLACEMENT SHEET 96:

FIG. 33C is amended herein to bring FIG. 33C in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 97:

FIG. 33D is amended herein to bring FIG. 33D in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 98:

FIG. 33E is amended herein to correct for the miss-label of the back side of the housing from 111E to 1118E.

REPLACEMENT SHEET 99:

FIG. 33F is amended herein to bring FIG. 33F in compliance with 37 CFR §1.121(d).

FIG. 33G is amended herein to bring FIG. 33G in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 100:

FIG. 33H is amended herein to bring FIG. 33H in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 101:

FIG. 33I is amended herein to remove the arrow directing element 1144 to element 1142C.

REPLACEMENT SHEET 102:

FIG. 33J is amended herein to bring FIG. 33J in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 103:

FIG. 33K is amended herein to bring FIG. 33K in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 104:

FIG. 33L is amended herein to bring FIG. 33L in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 105:

FIG. 33M is amended herein to bring FIG. 33M in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 106:

FIG. 33N is amended herein to bring FIG. 33N in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 107:

FIG. 34A is amended herein to delete element 1097, change the magazine label from 1106 to 270 and change the data cartridge from 1104 to 224.

FIG. 34B is amended herein to delete element 1097 and add the label 224 for the data cartridge.

REPLACEMENT SHEET 108:

FIG. 35A is amended herein to change the magazine label from 1234 to 270, add a label for a data cartridge 1233, add a label for the data cartridge 224 and delete the x/y coordinates.

REPLACEMENT SHEET 109:

FIG. 35B is amended herein to change the magazine label from 1234 to 270 and delete the x/y coordinates.

REPLACEMENT SHEET 110:

FIG. 35C is amended herein to delete the x/y coordinates.

REPLACEMENT SHEET 111:

FIG. 36A is amended herein to change the magazine label from 1244 to 270, change the label for data cartridge 1240 to 224 and change the label of the picker notch from 1242 to 234A.

REPLACEMENT SHEET 112:

FIG. 36B is amended herein to change the magazine label from 1244 to 270, change the label for data cartridge 1240 to 224 and change the label of the picker notch from 1242 to 234A.

REPLACEMENT SHEET 113:

FIG. 36C is amended herein to change the magazine label from 1244 to 270, change the label for data cartridge 1240 to 224 and change the label of the picker notch from 1242 to 234A.

REPLACEMENT SHEET 114:

FIG. 36D is amended herein to change the magazine label from 1244 to 270, change the label for data cartridge 1240 to 224 and change the label of the picker notch from 1242 to 234A.

REPLACEMENT SHEET 115:

FIG. 36E is amended herein to change the magazine label from 1244 to 270 and change the label for data cartridge 1240 to 224.

REPLACEMENT SHEET 116:

FIG. 36F is amended herein to change the magazine label from 1244 to 270 and change the label for data cartridge 1240 to 224.

REPLACEMENT SHEET 117:

FIG. 36G is amended herein to change the magazine label from 1244 to 270, change the label for data cartridge 1240 to 224 and change the label of the picker notch from 1242 to 234A.

REPLACEMENT SHEET 118:

FIG. 37A is amended herein to change the label for data cartridge 1240 to 224 and change the label of the picker notch from 1242 to 234A.

REPLACEMENT SHEET 119:

FIG. 37B is amended herein to change the label for data cartridge 1240 to 224.

REPLACEMENT SHEET 120:

FIG. 37C is amended herein to change the label for data cartridge 1240 to 224 and change the label of the picker notch from 1242 to 234A.

REPLACEMENT SHEET 121:

FIG. 37D is amended herein to change the label for data cartridge 1240 to 224.

REPLACEMENT SHEET 122:

FIG. 37E is amended herein to change the label for data cartridge 1240 to 224 and change the label of the picker notch from 1242 to 234A.

REPLACEMENT SHEET 123:

FIG. 37F is amended herein to change the label for data cartridge 1240 to 224 and change the label of the picker notch from 1242 to 234A.

REPLACEMENT SHEET 124:

FIG. 37G is amended herein to change the label for data cartridge 1240 to 224 and change the label of the picker notch from 1242 to 234A.

REPLACEMENT SHEET 125:

FIG. 38 is amended herein to bring FIG. 38 in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 126:

FIG. 39 is amended herein to bring FIG. 39 in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 127:

FIG. 40A is amended herein to bring FIG. 40A in compliance with 37 CFR §1.121(d).

FIG. 40B is amended herein to correct for a miss-labeled arrow from 1286 to 1292.

REPLACEMENT SHEET 128:

FIG. 40C is amended herein to bring FIG. 40C in compliance with 37 CFR §1.121(d).

FIG. 40D is amended herein to bring FIG. 40D in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 129:

FIG. 40E is amended herein to bring FIG. 40E in compliance with 37 CFR §1.121(d).

FIG. 40F is amended herein to bring FIG. 40F in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 130:

FIG. 41A is amended herein to bring FIG. 41A in compliance with 37 CFR §1.121(d).

FIG. 41B is amended herein to bring FIG. 41B in compliance with 37 CFR §1.121(d).

FIG. 42 is amended herein to label an arrow element 1285.

REPLACEMENT SHEET 131:

FIG. 43A is amended herein to bring FIG. 43A in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 132:

FIG. 43B is amended herein to correct for the miss-labeled add on unit from 1300 to 1310.

REPLACEMENT SHEET 133:

FIG. 44A is amended herein to correct for the miss-labeled first horizontal magazine transport components from 1324A to 1334A and the comparable component from 1324B to 1334B.

REPLACEMENT SHEET 134:

FIG. 44B is amended herein to bring FIG. 44B in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 135:

FIG. 45A is amended herein to bring FIG. 45A in compliance with 37 CFR §1.121(d).

FIG. 45B is amended herein to bring FIG. 45B in compliance with 37 CFR §1.121(d).

FIG. 45C is amended herein to bring FIG. 45C in compliance with 37 CFR §1.121(d).

REPLACEMENT SHEET 136:

FIG. 45D is amended herein to bring FIG. 45D in compliance with 37 CFR §1.121(d).

FIG. 45E is amended herein to bring FIG. 45E in compliance with 37 CFR §1.121(d).

U.S. Ser. No. 10/604,118
Attorney Docket No. 1046_023 (SL042)
Supplemental Amendment
Page 240 of 378

Replacement Sheets 1-136 replaces all prior versions of these drawings in the application:

AMENDMENTS TO THE DRAWINGS

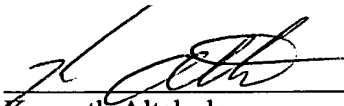
* * *

Authorization To Charge Necessary Fees

While no fee is believed due with this submission, the Commissioner is hereby authorized to charge any necessary fees associated with this submission, or credit any overpayment, to Deposit Account No. 50-0289.

Respectfully submitted,

Dated: 2/02/06



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EXHIBIT A

Shown herein are all of the figures appearing in the immediate prior version of all (1-136)
of the amended replacement drawing sheets.

FIG. 1

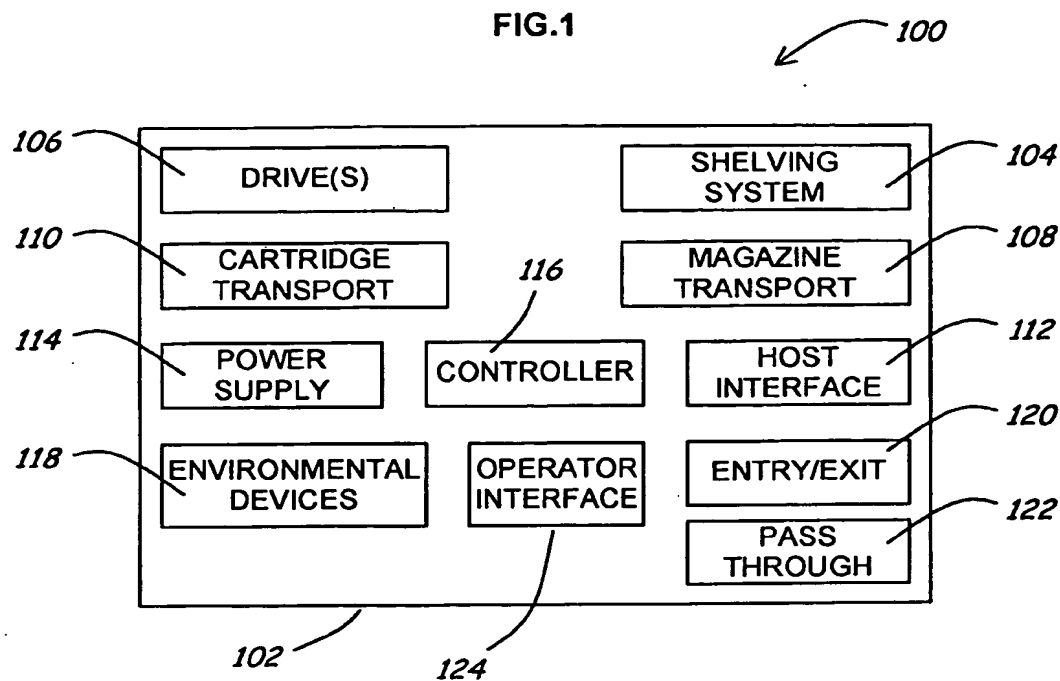


Fig. 2A

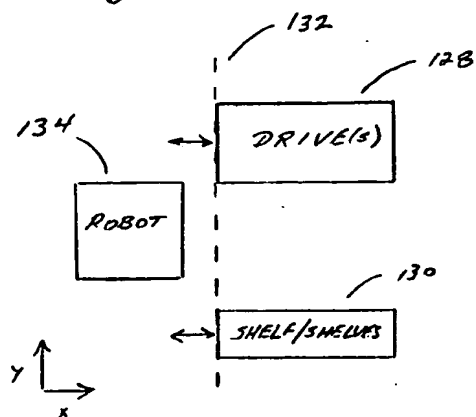
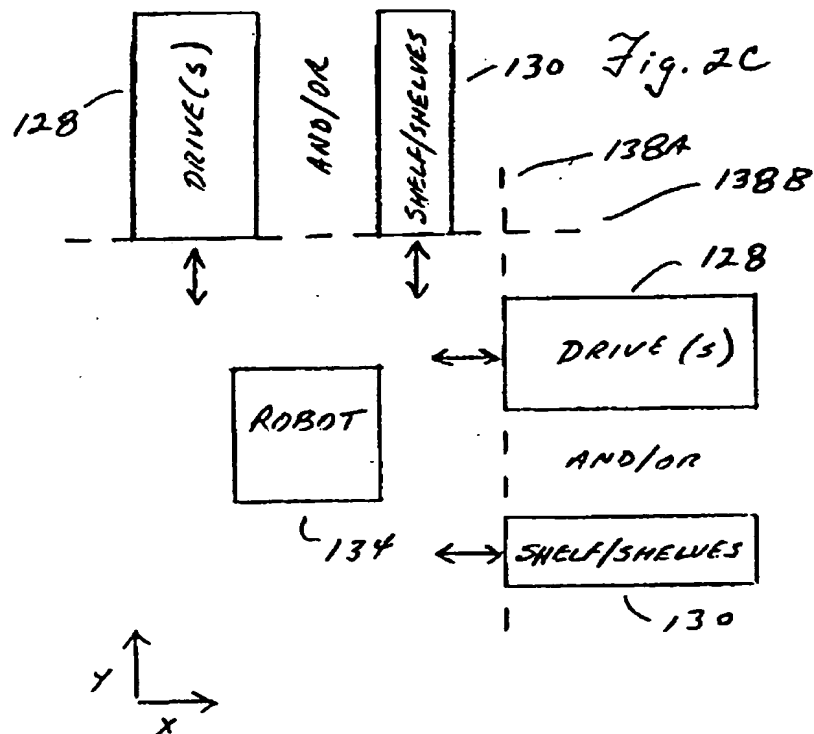
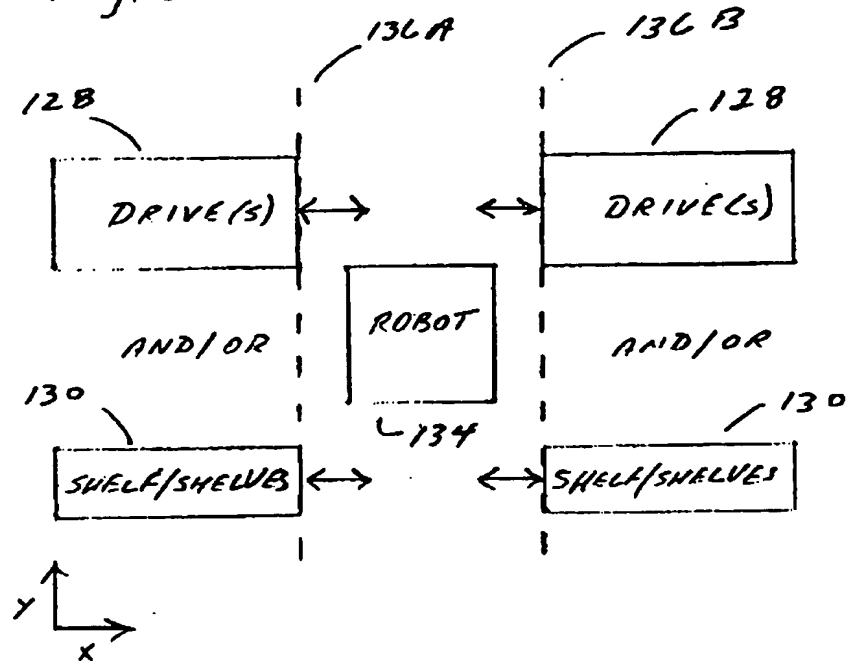


Fig. 2B



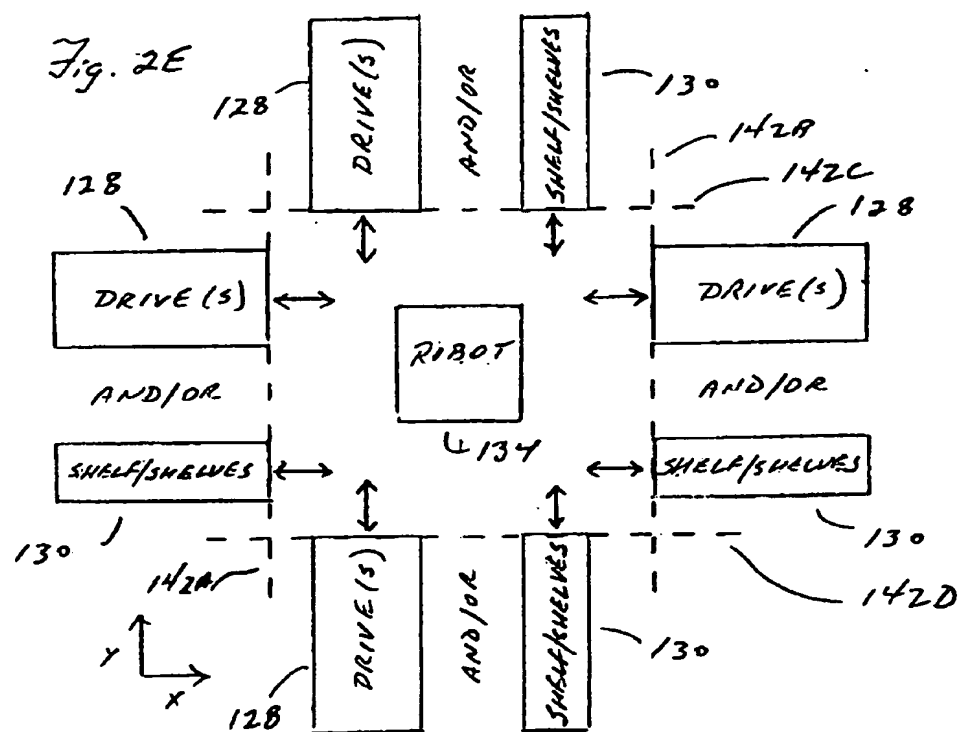
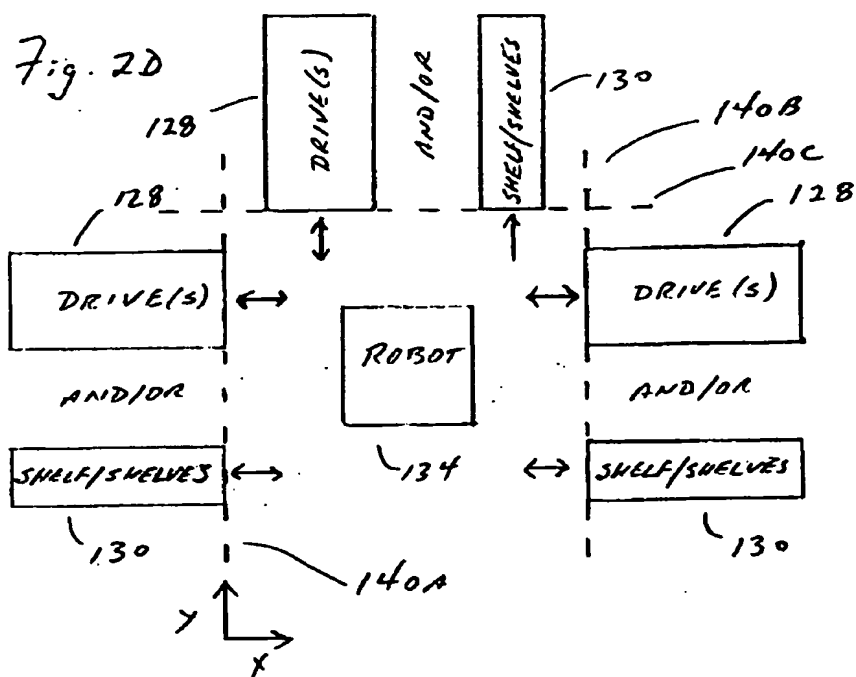


Fig. 3A

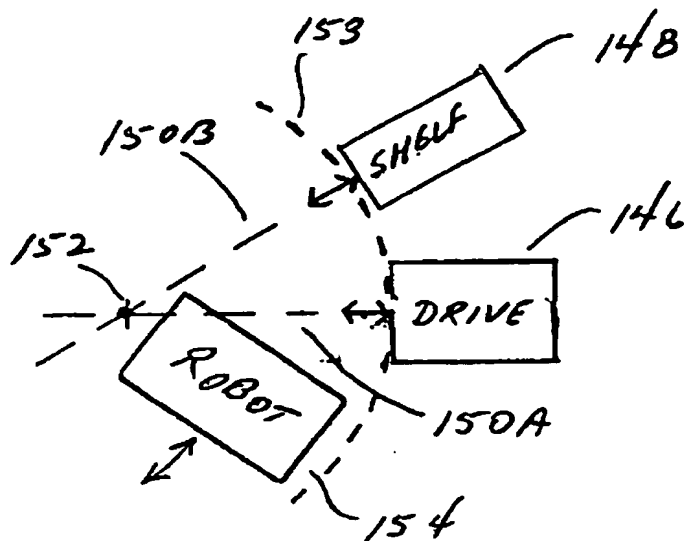


Fig. 3B

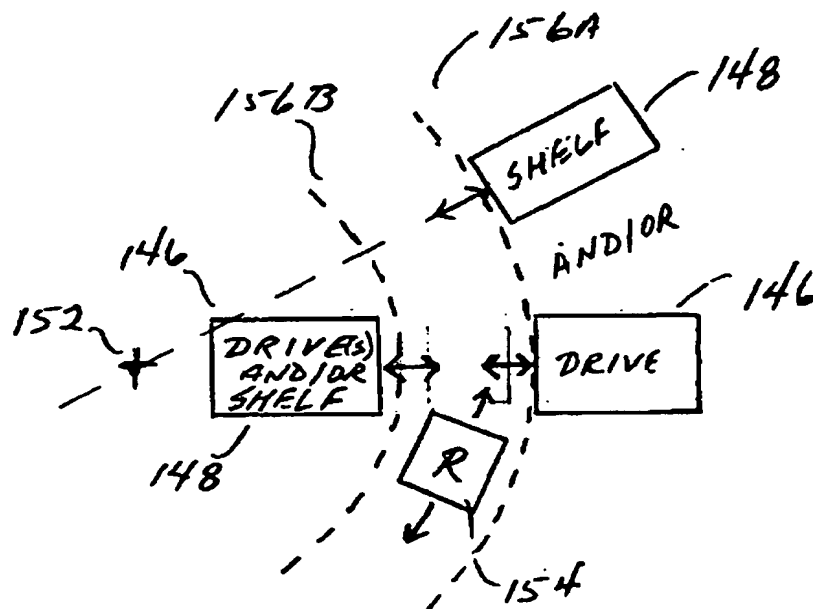


Fig. 3c

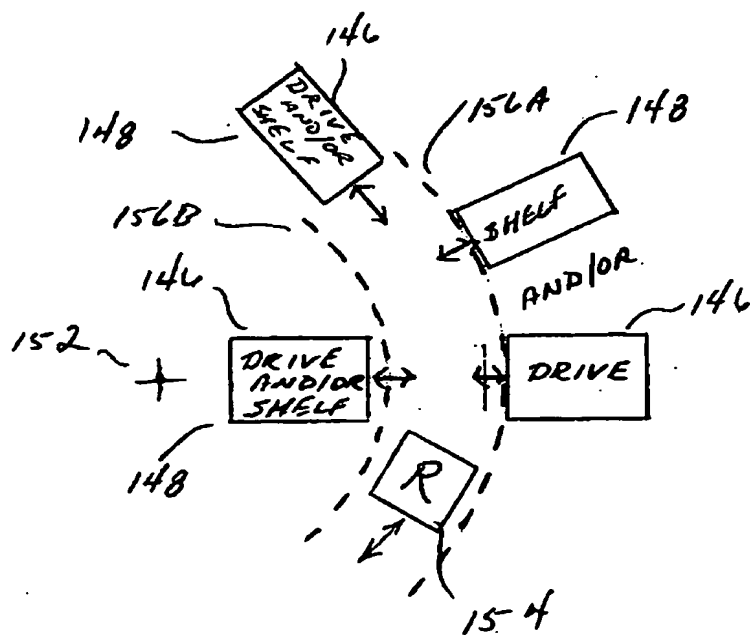
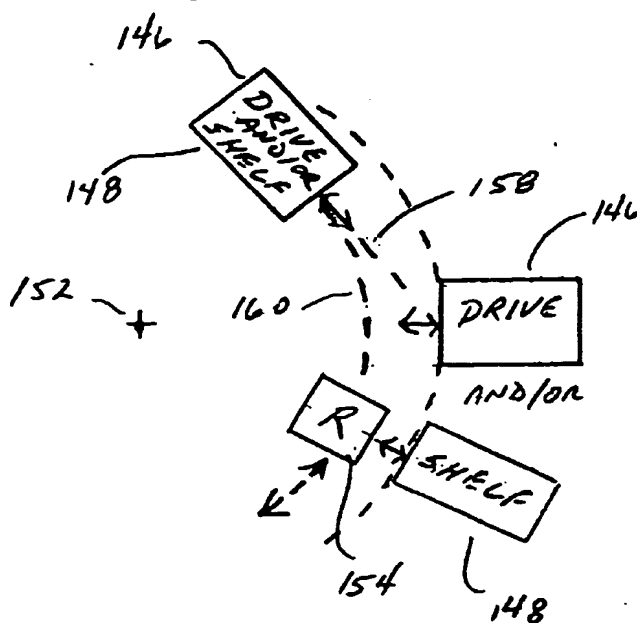


Fig. 3D

Fig. 3E

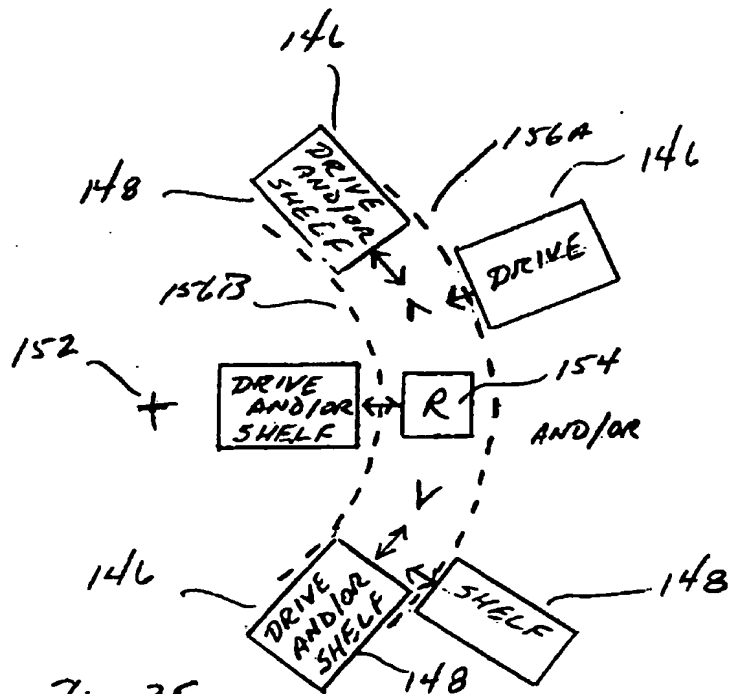
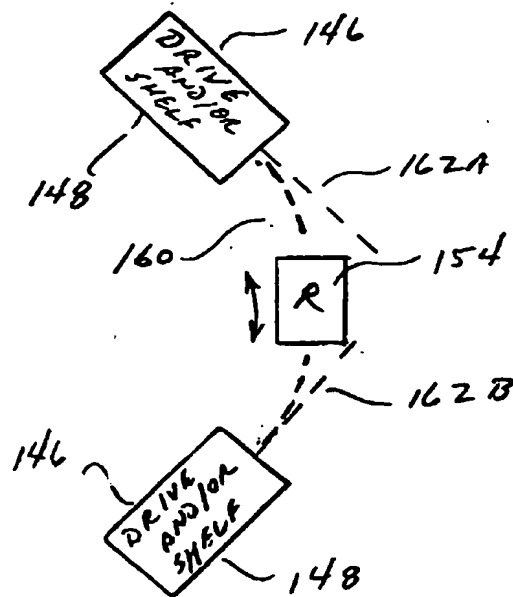


Fig. 3F

Fig. 3G

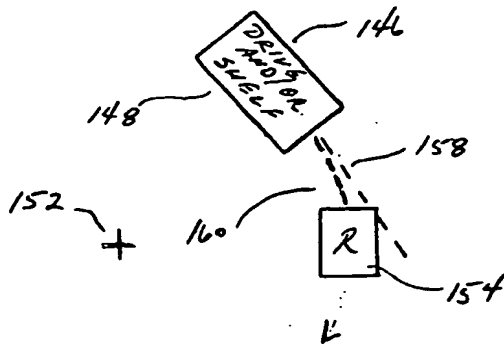


Fig. 4A

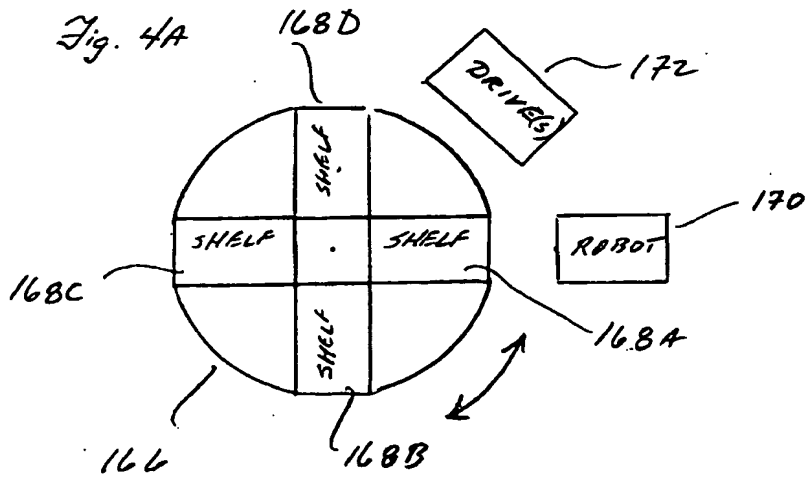
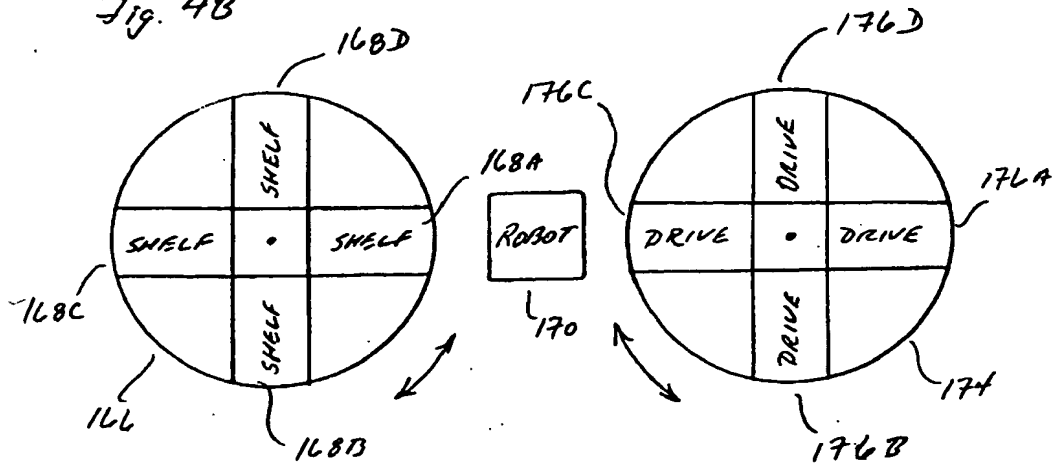


Fig. 4B



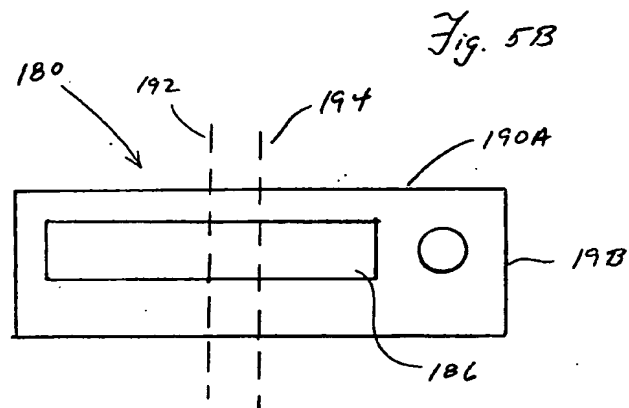
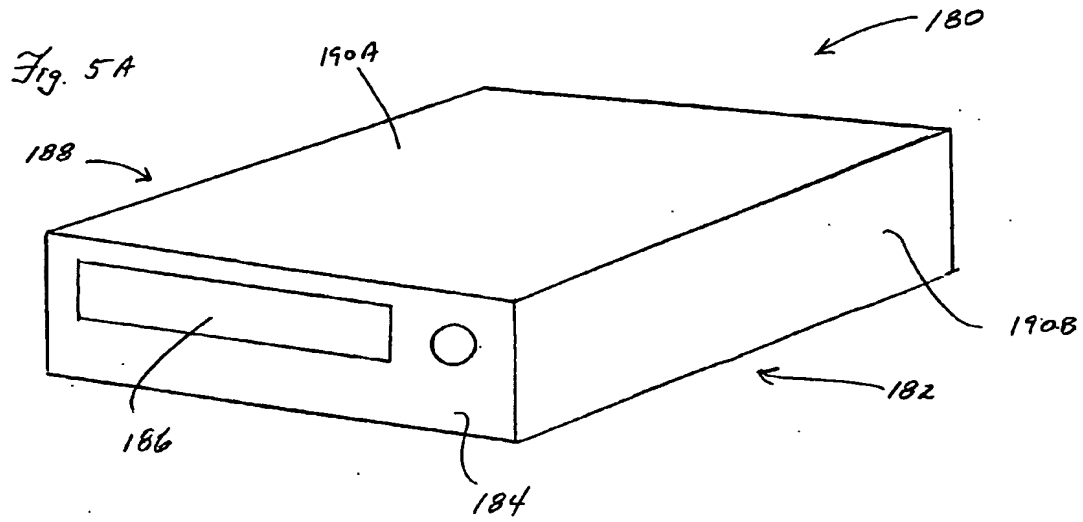
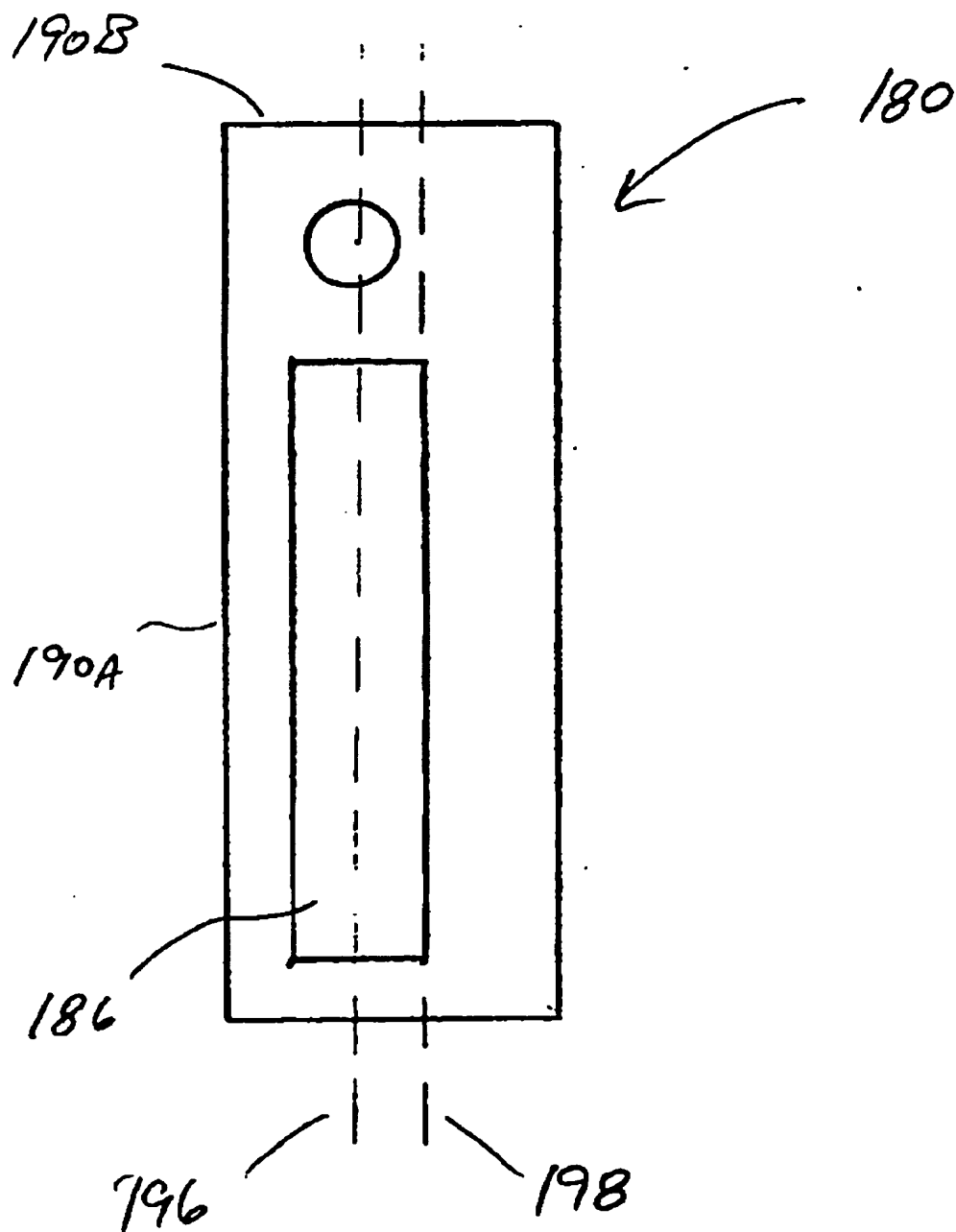


Fig. 5c



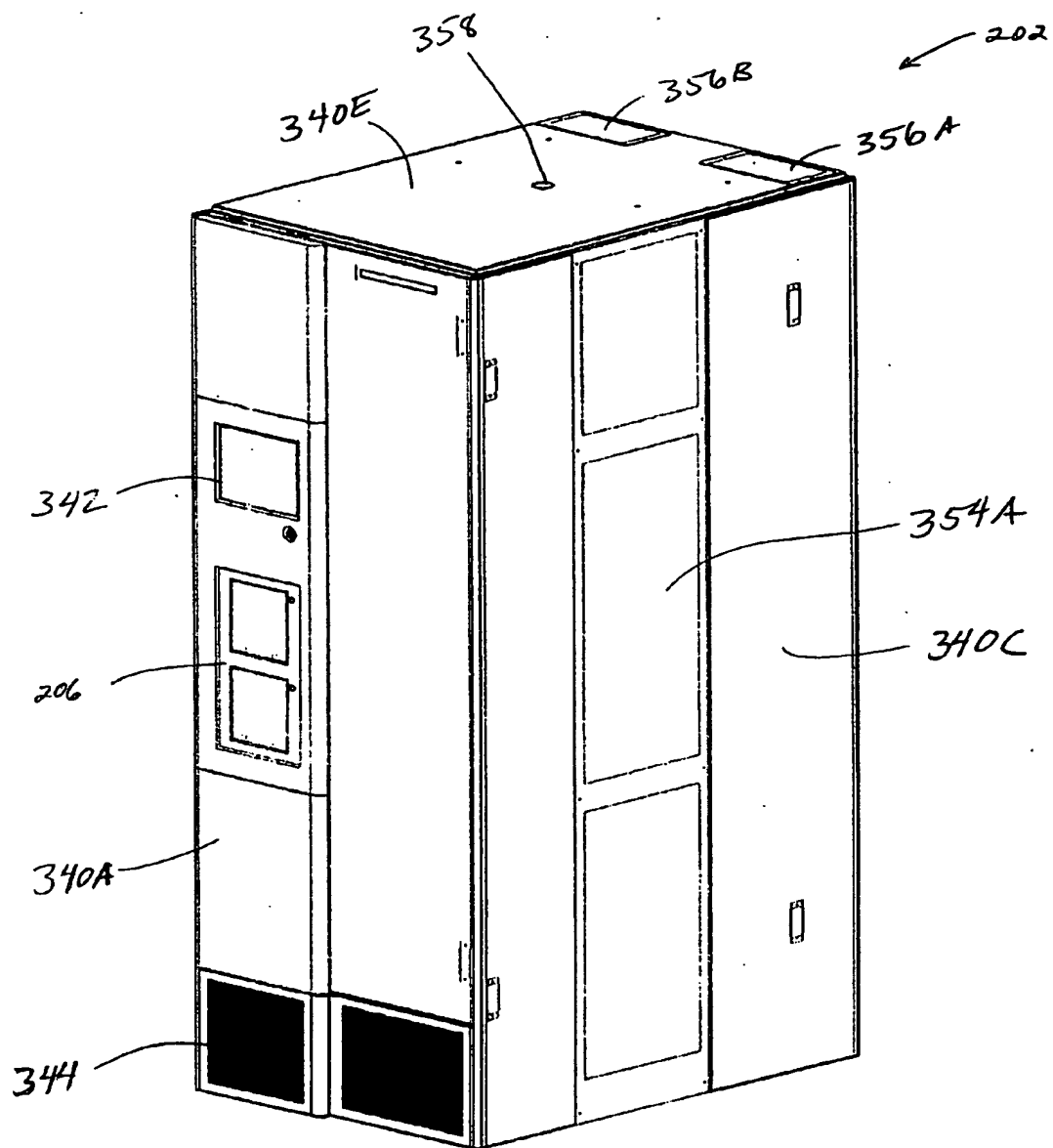


Fig. 6A

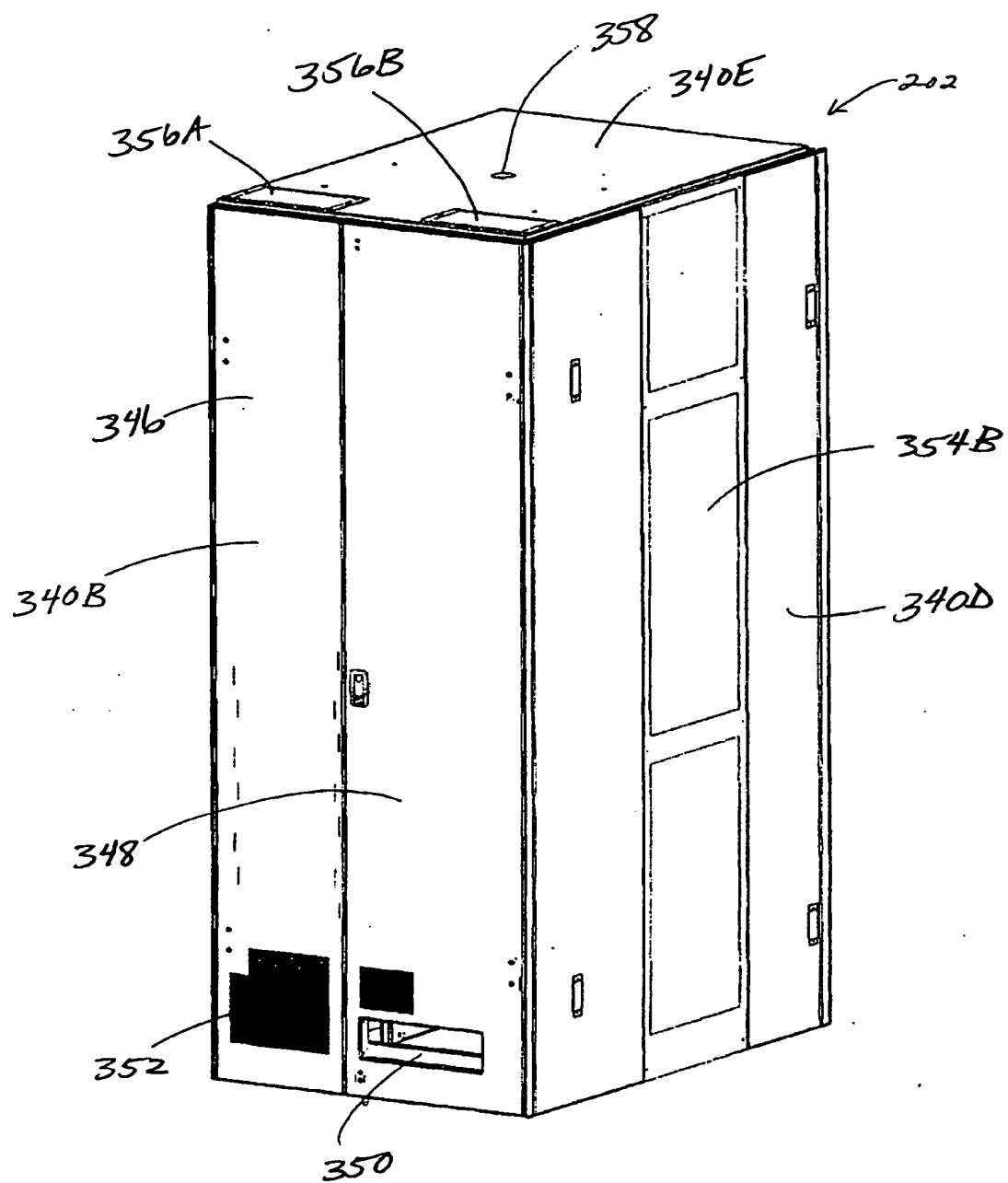


Fig. 6B

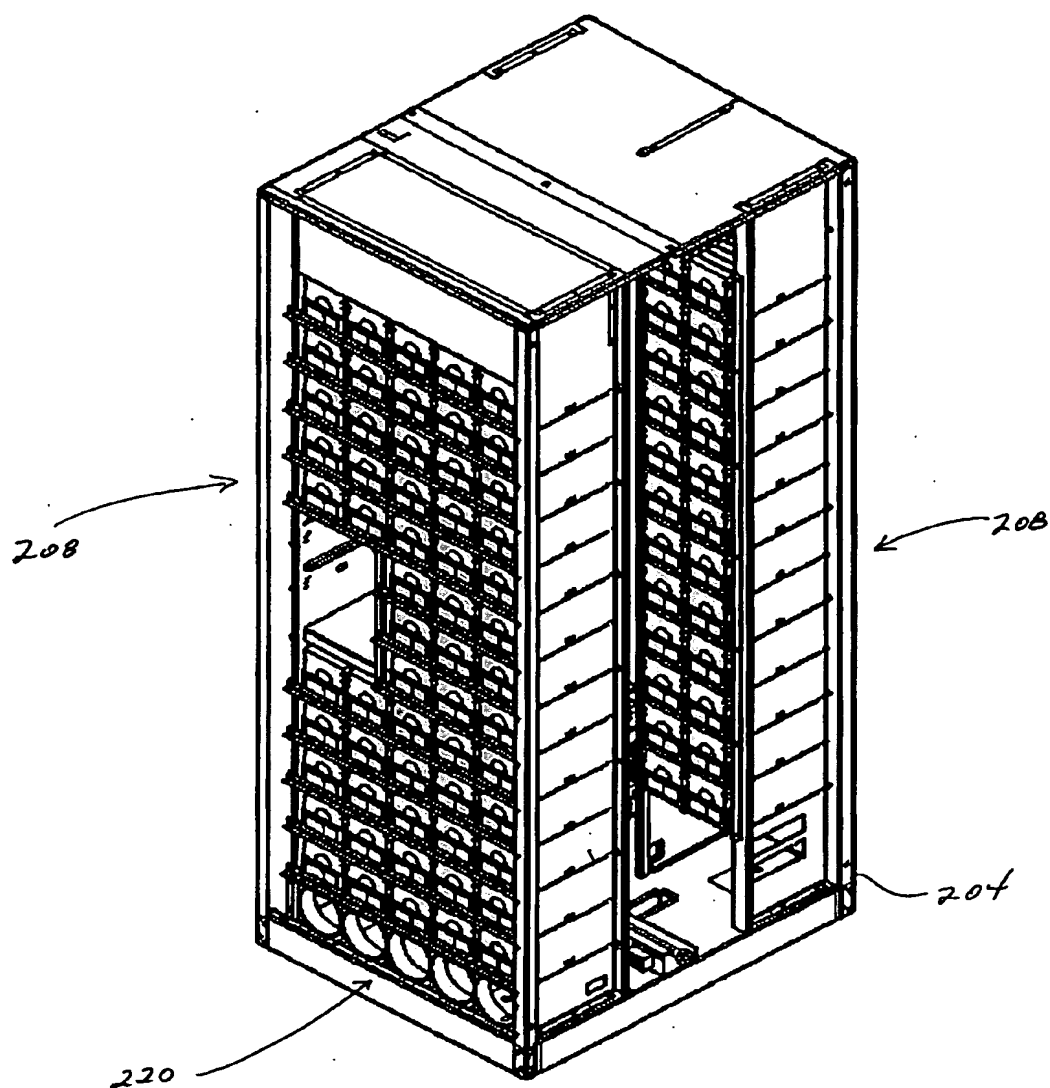


Fig. 7A

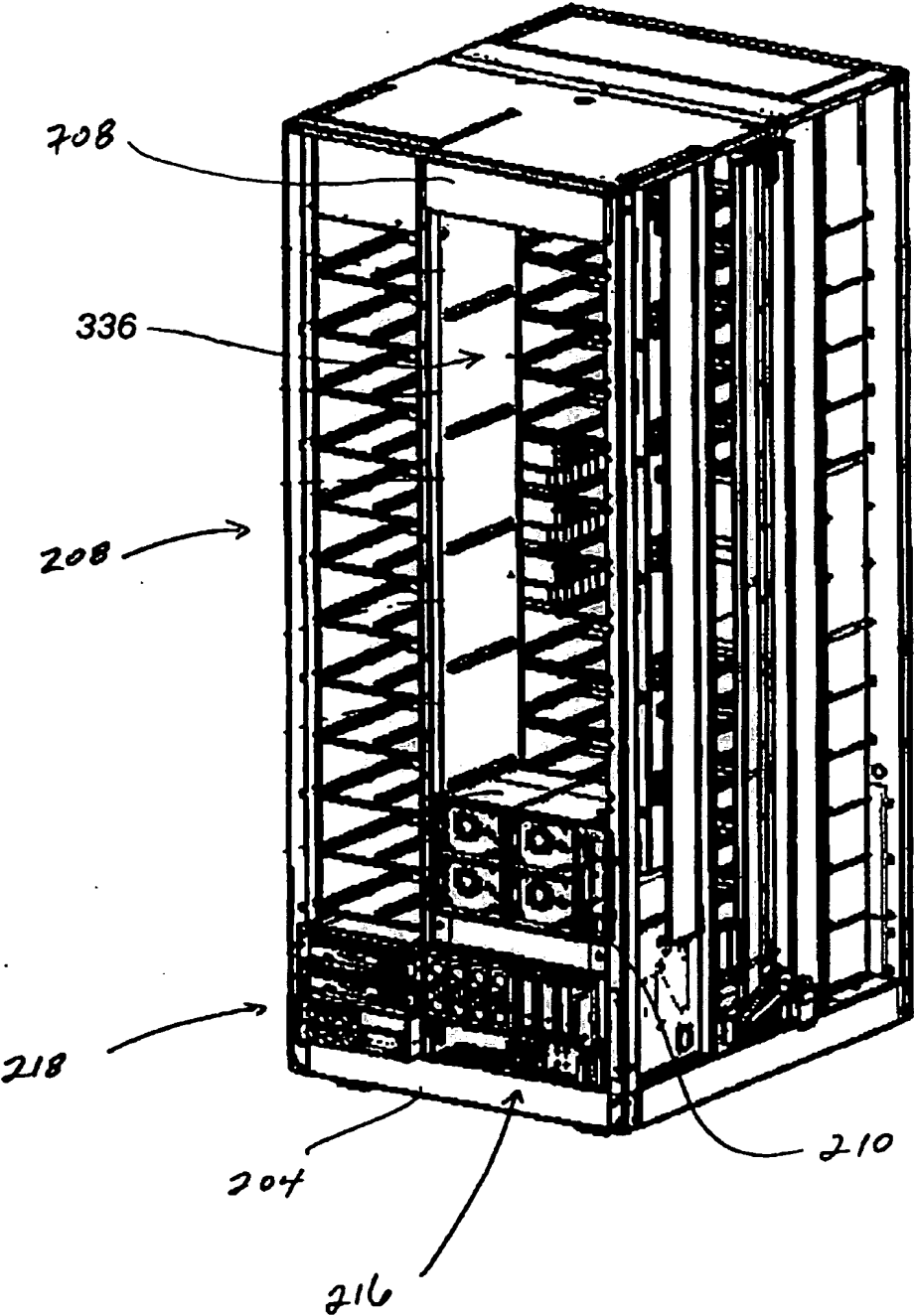


Fig 7B

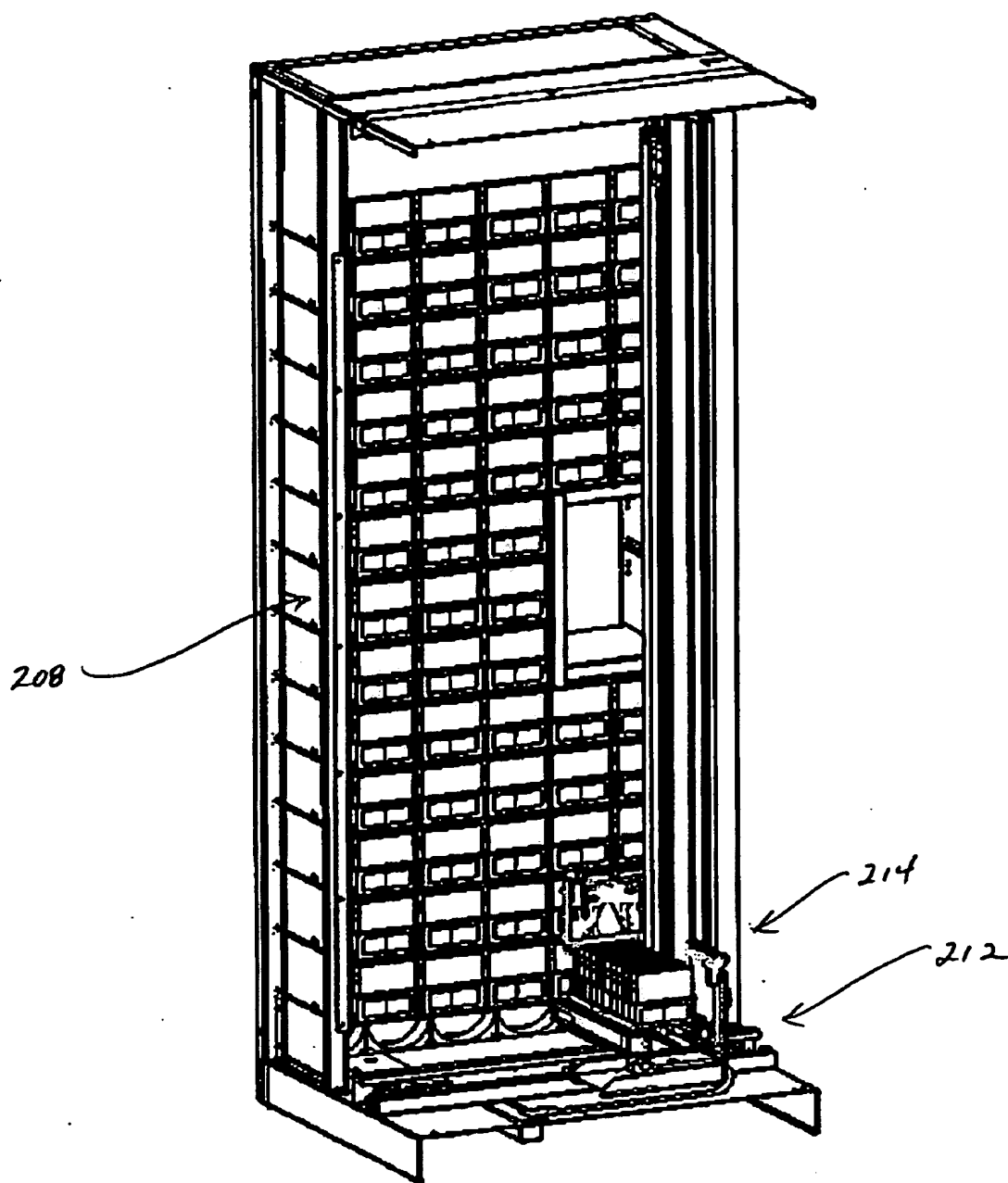


Fig. 8A

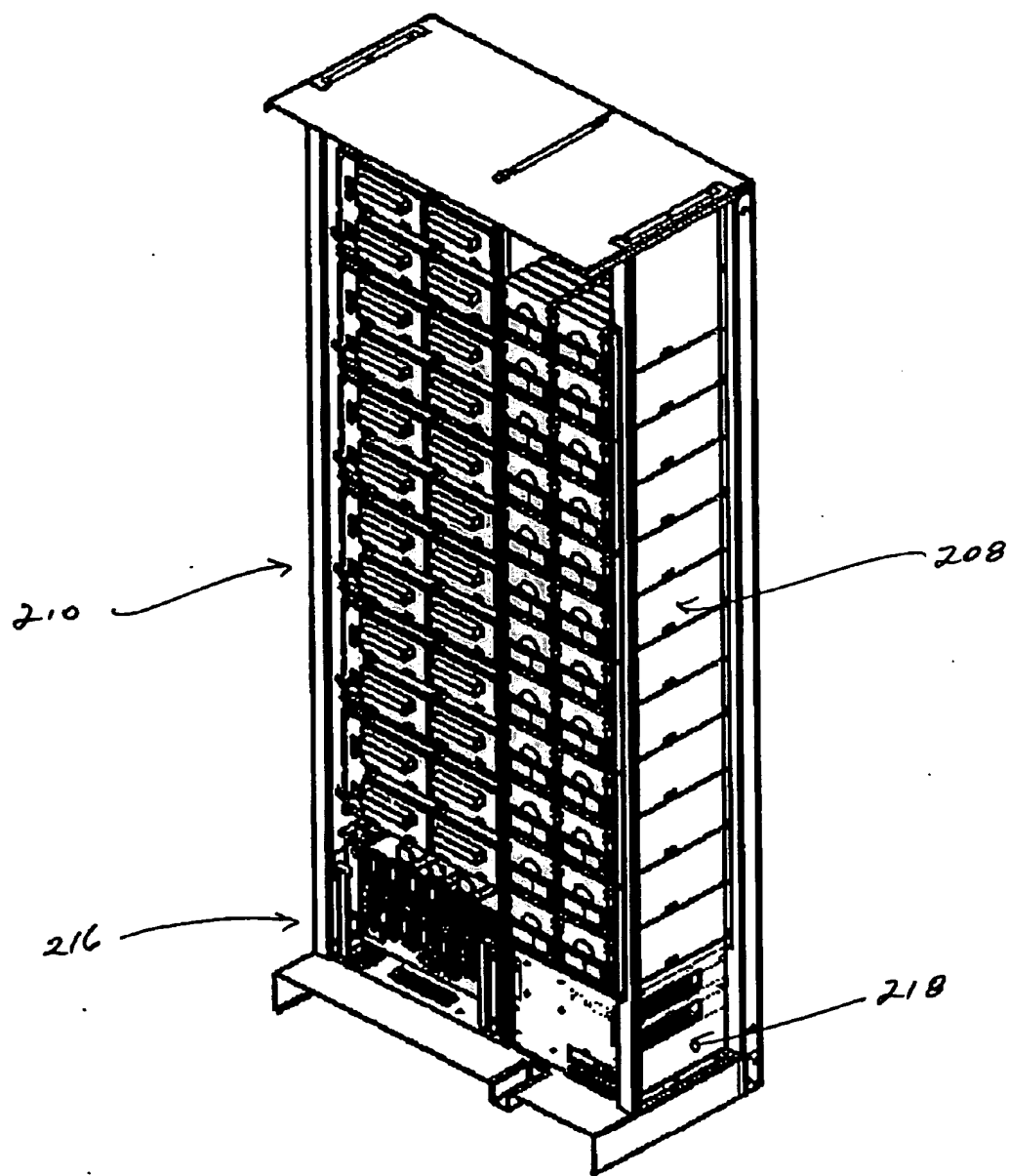


Fig. 8B

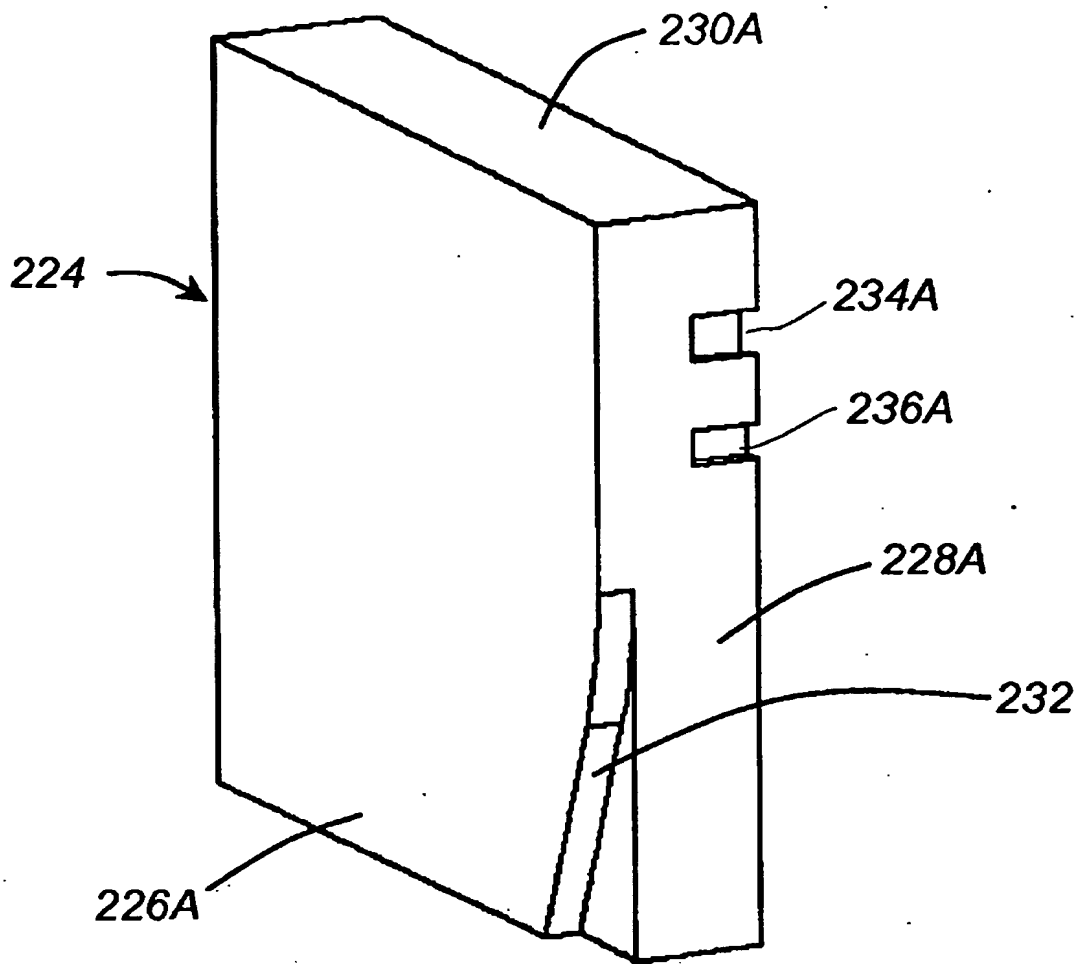


FIG. 9A

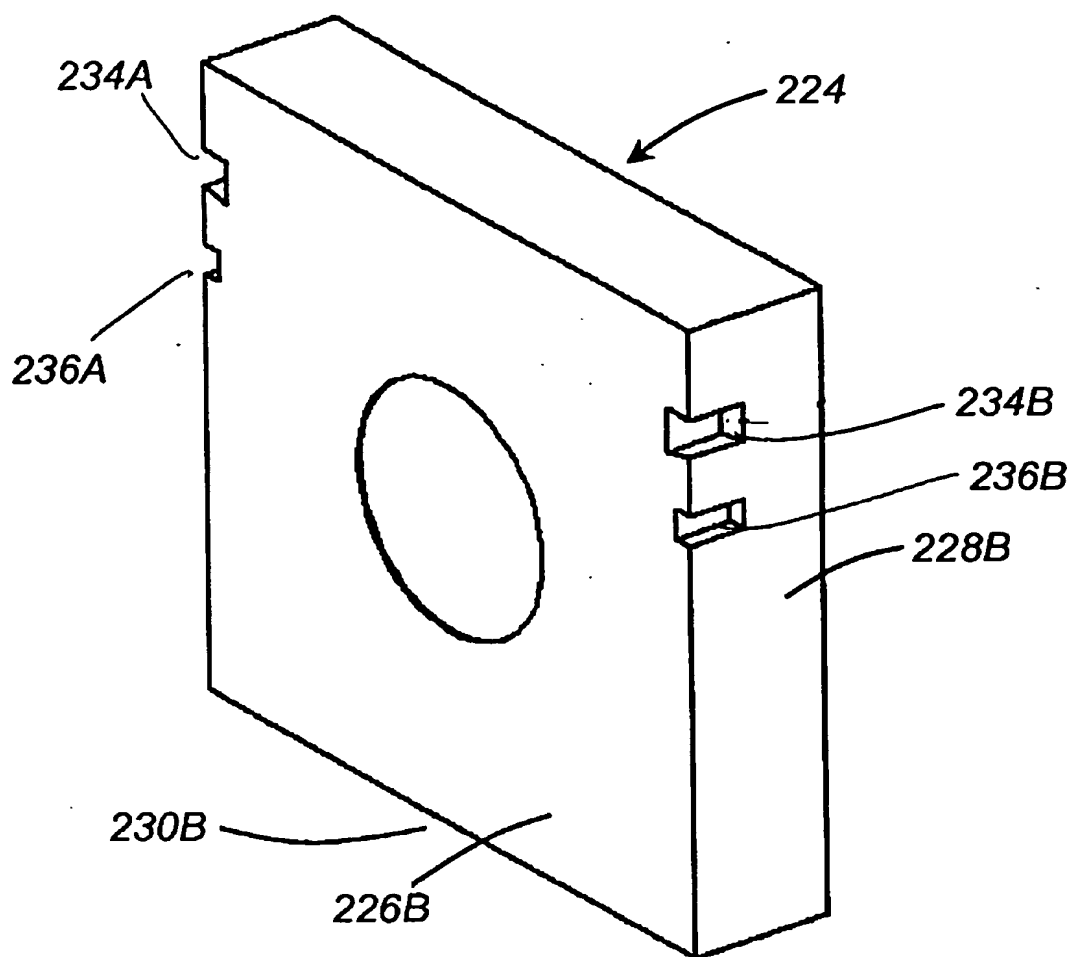
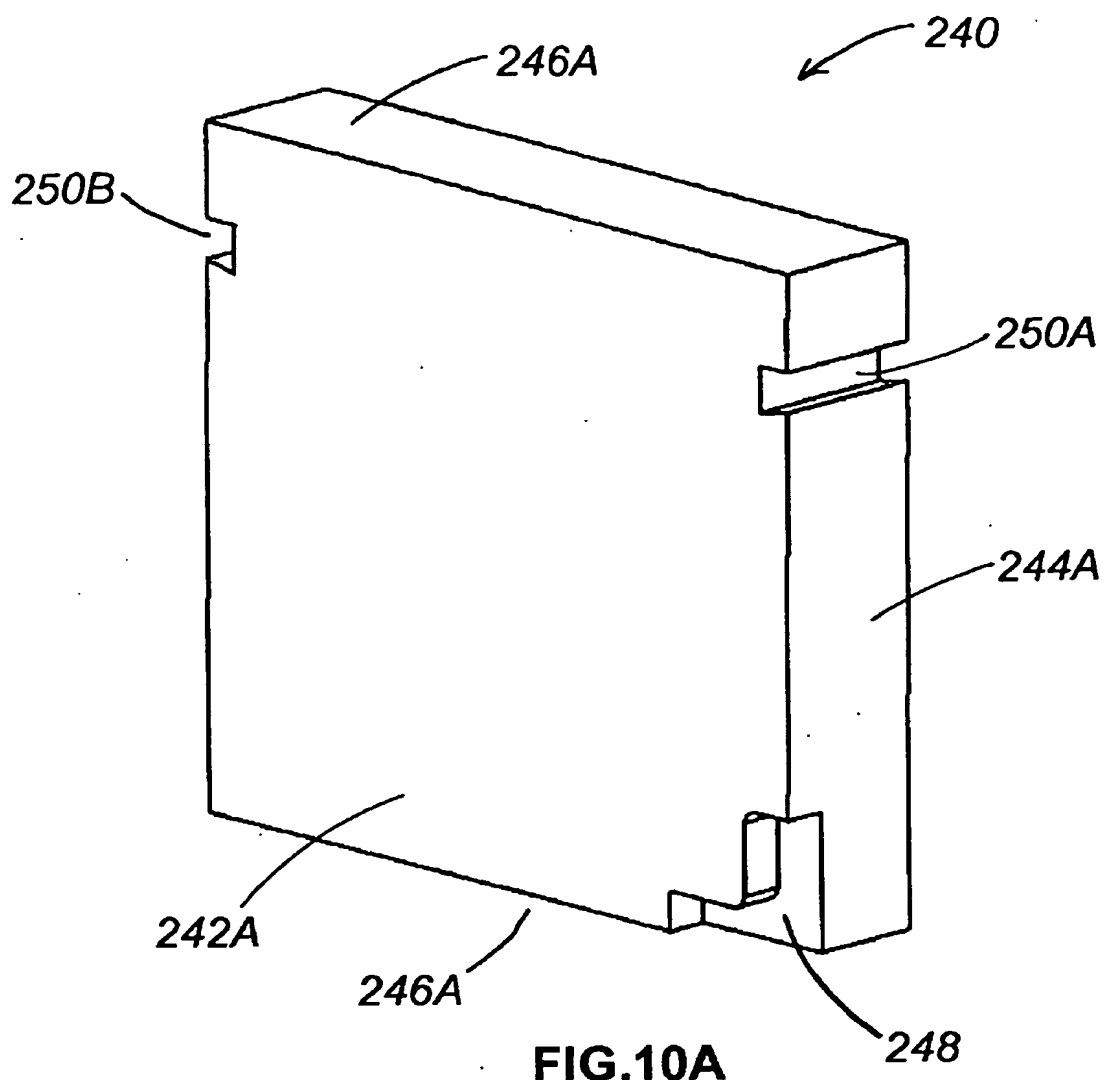


FIG.9B



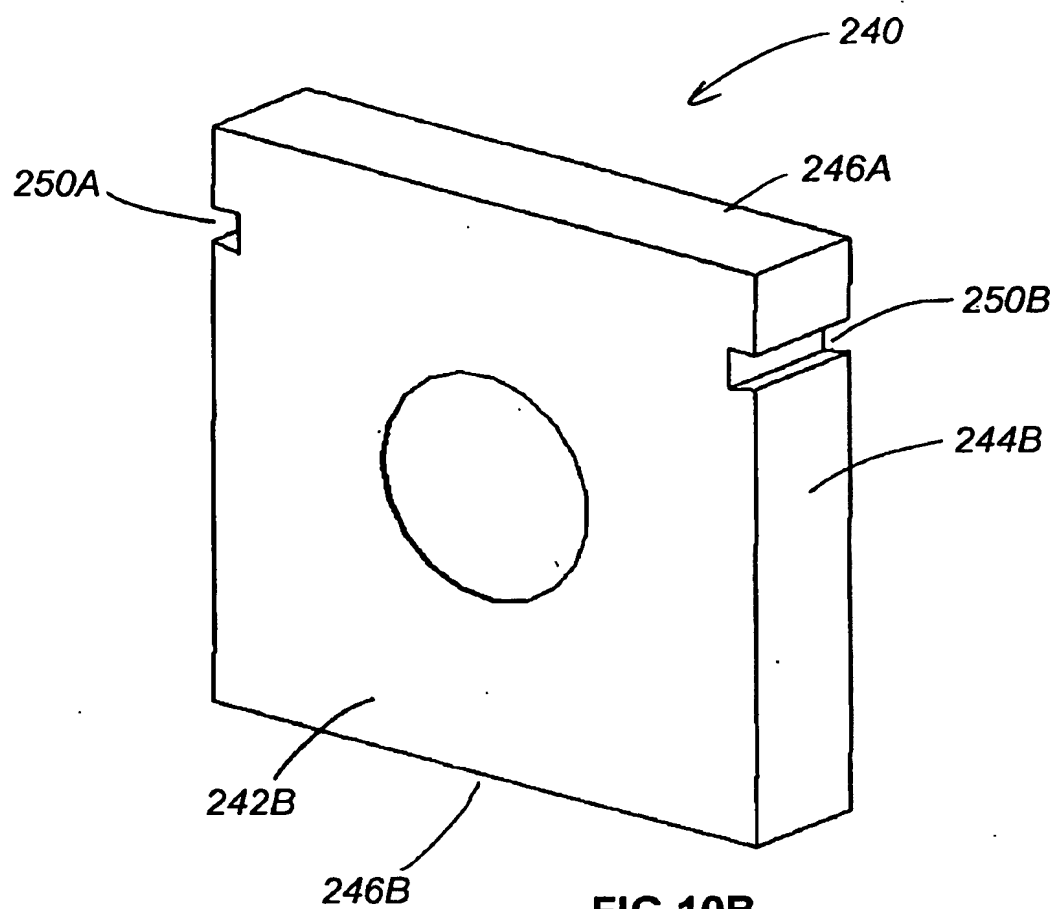


FIG. 10B

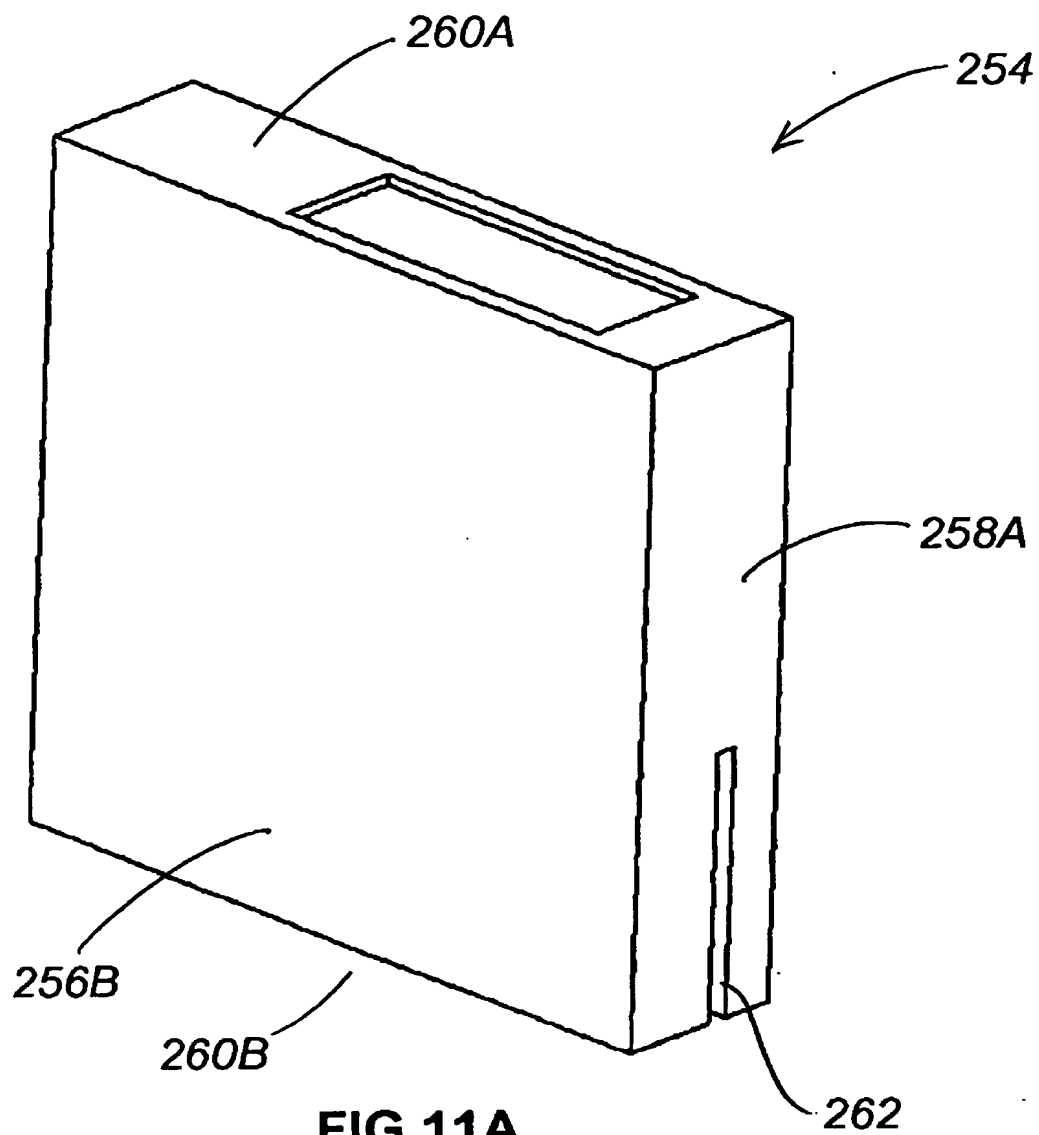


FIG. 11A

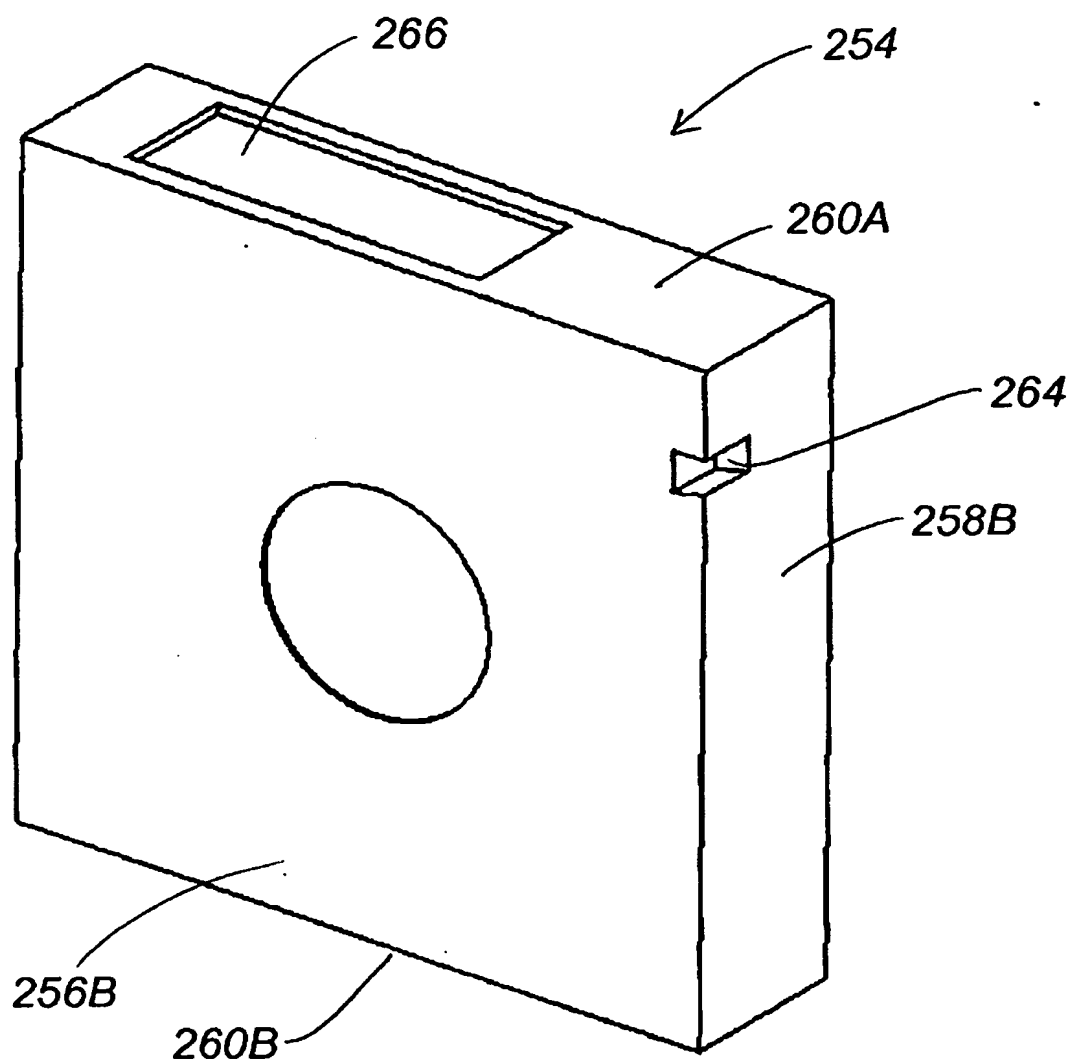
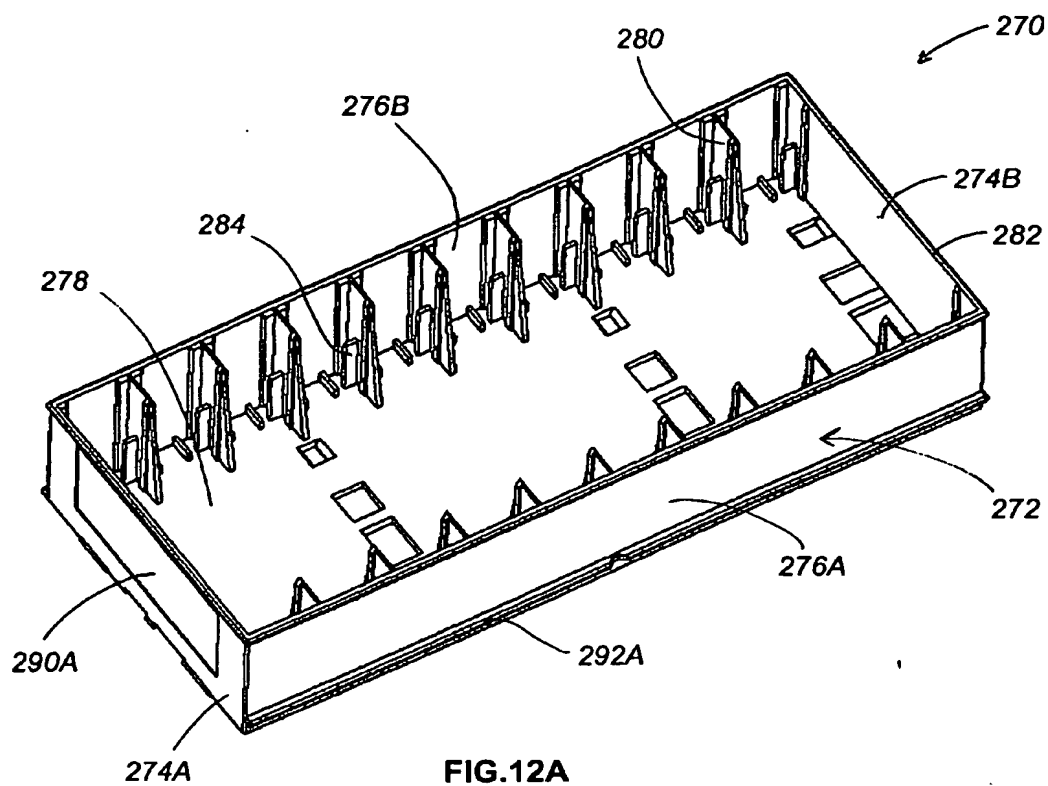


FIG.11B



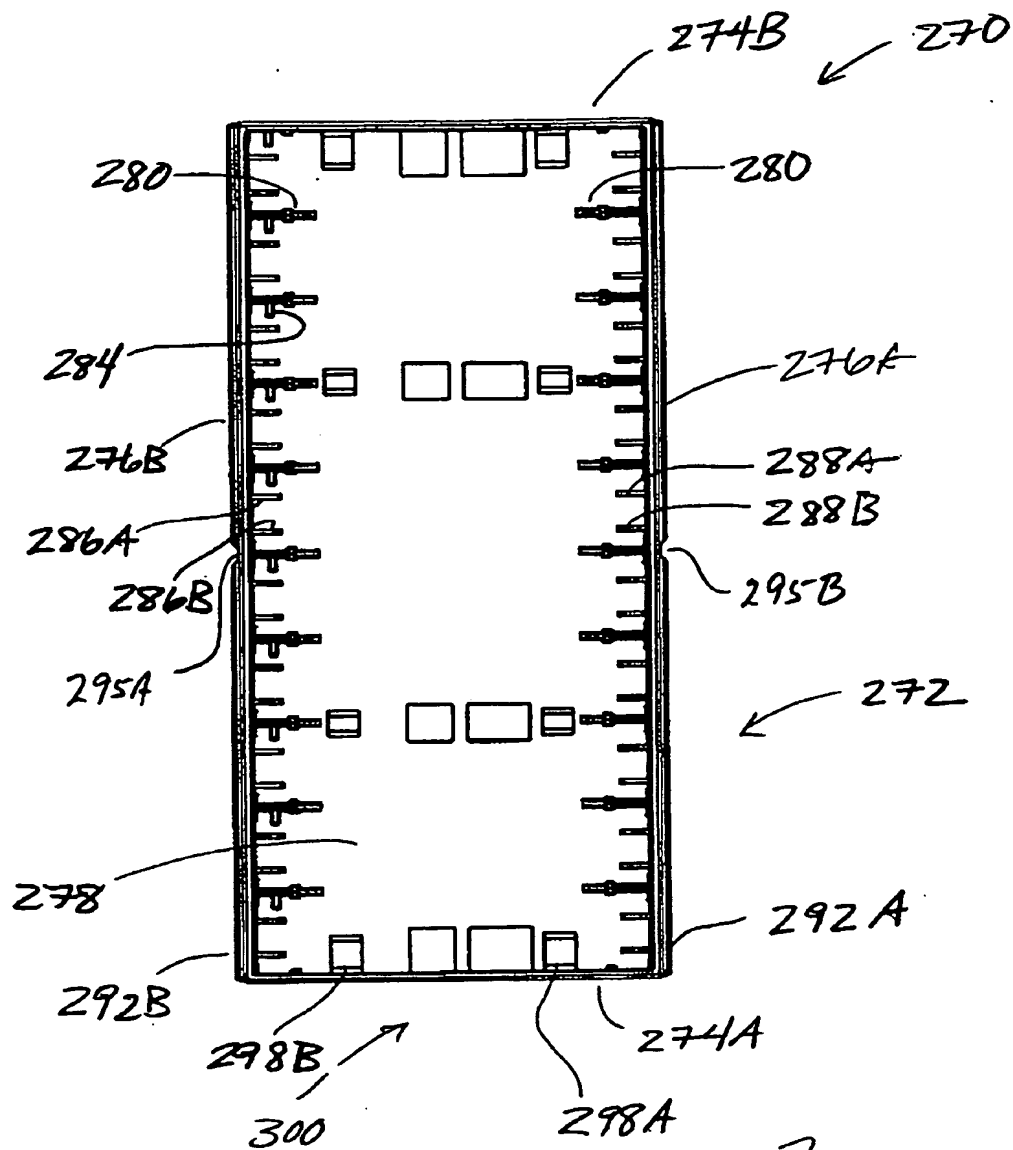
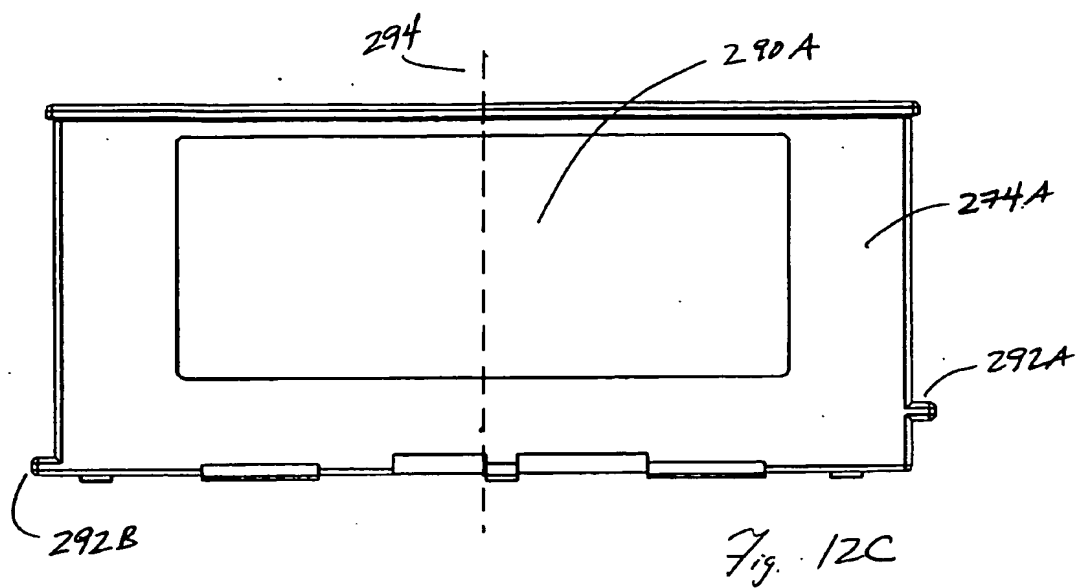


Fig. 12B



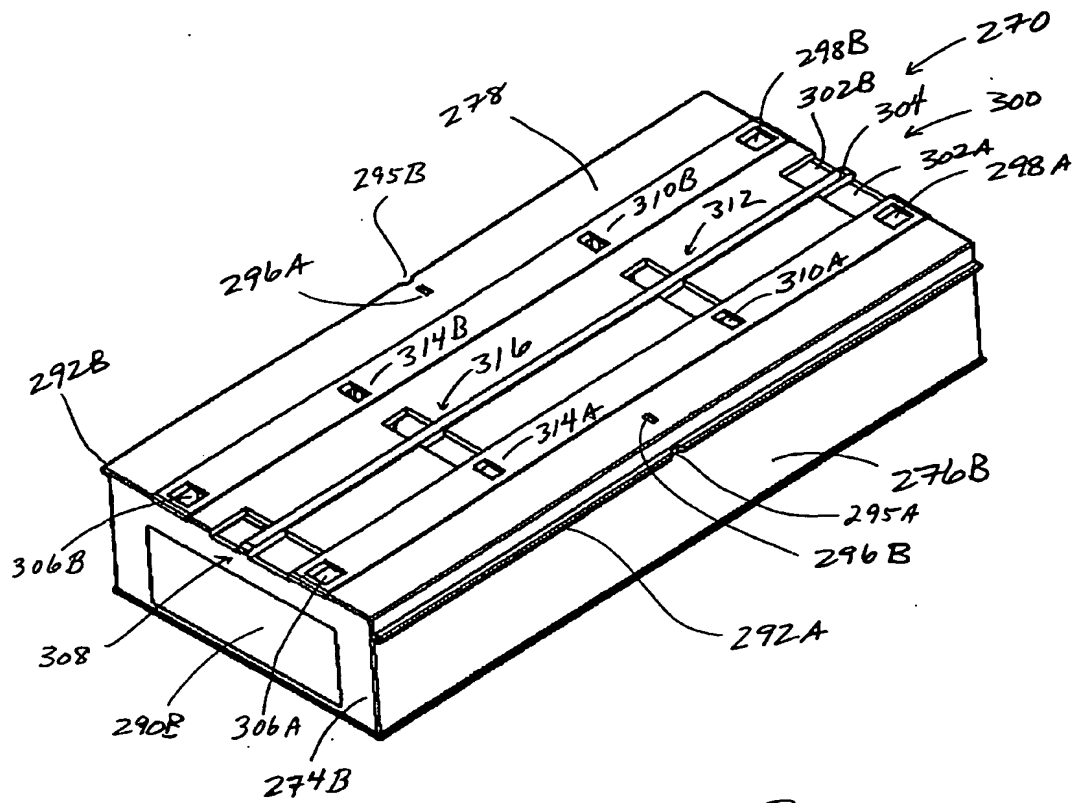
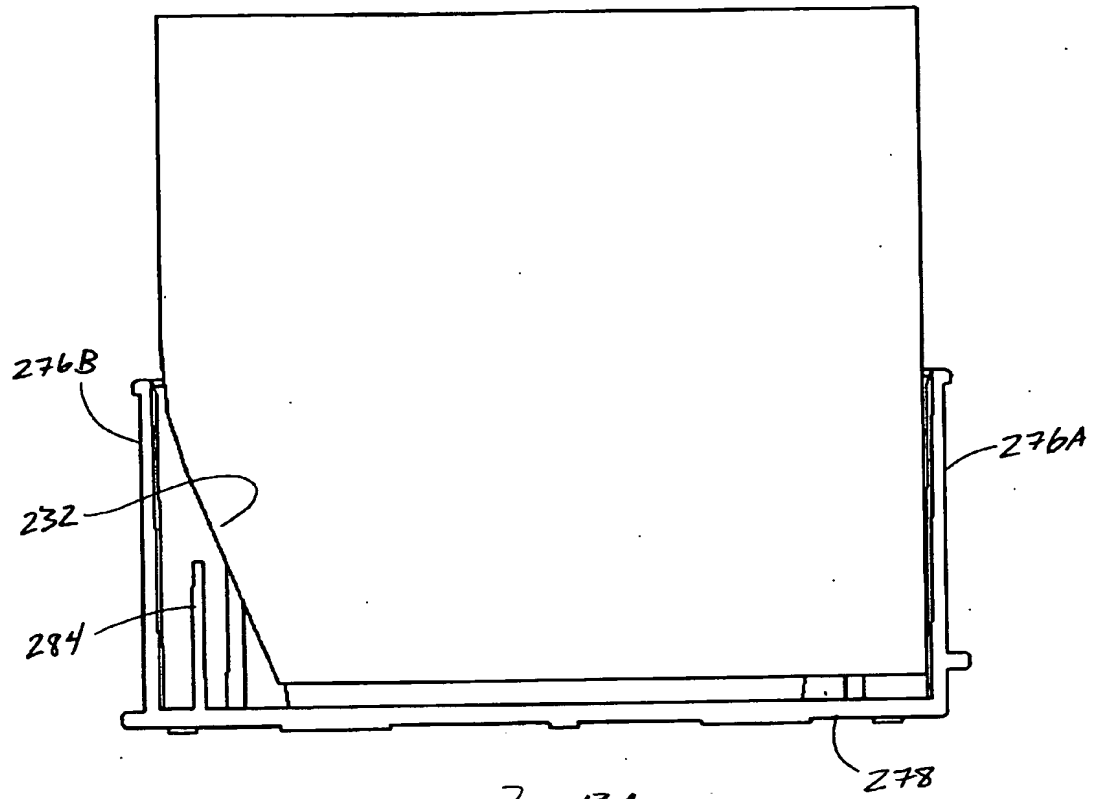
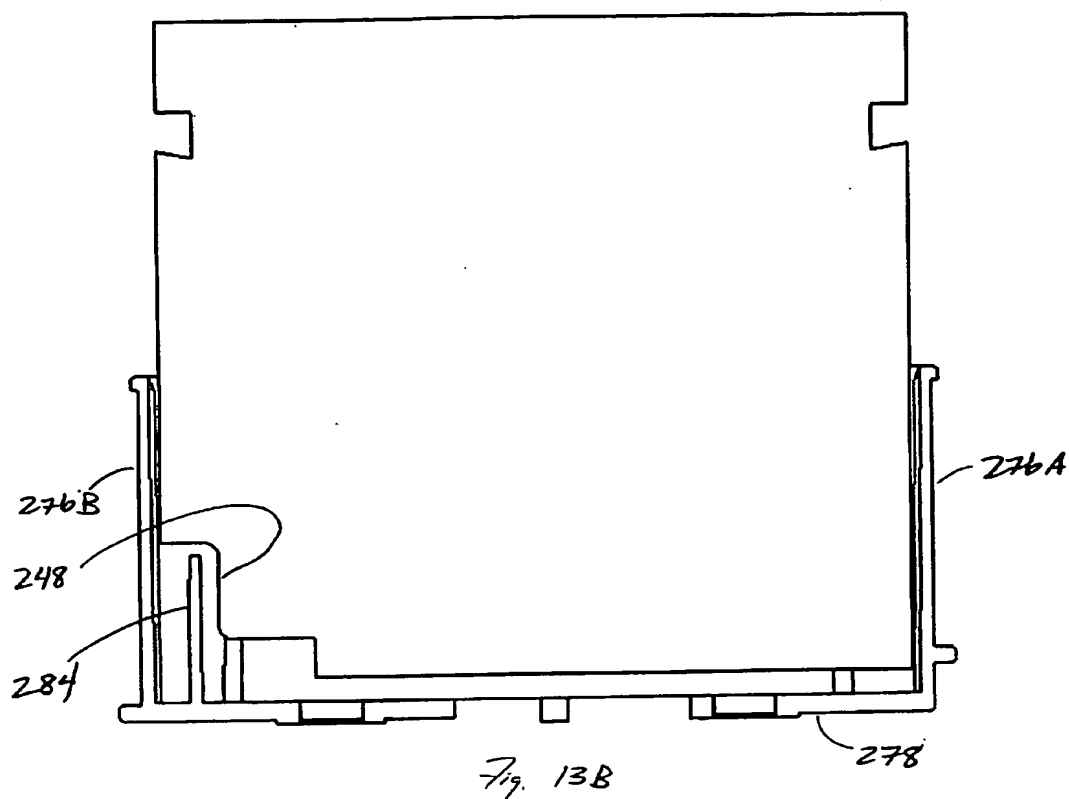


Fig. 12D





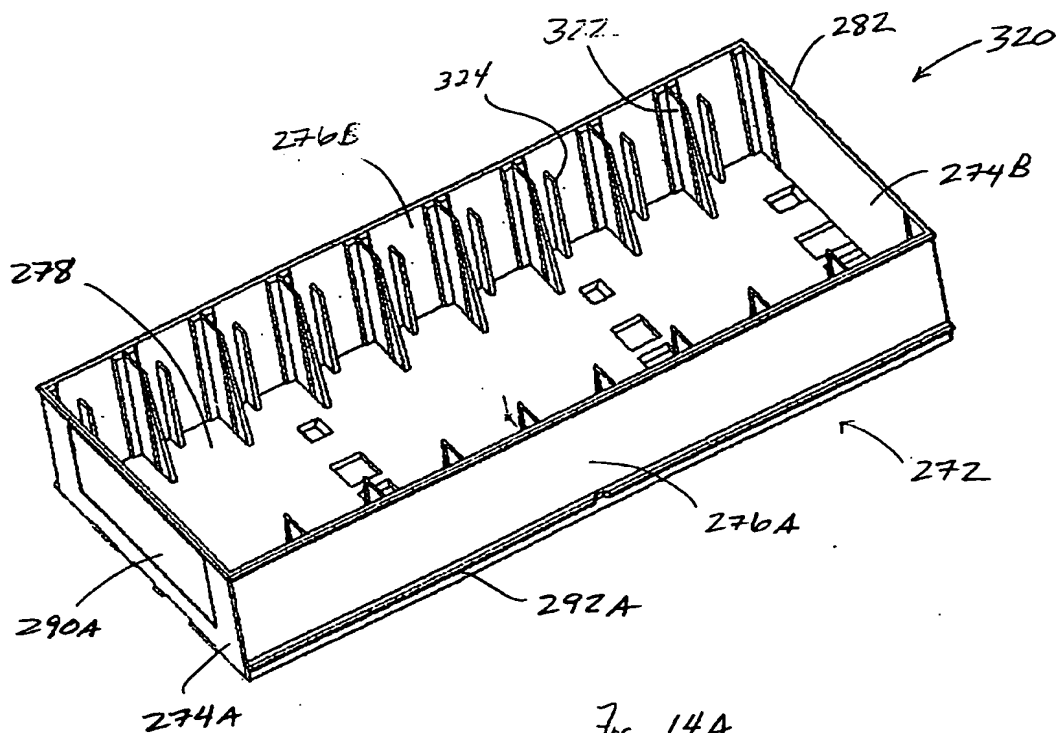


Fig. 14A

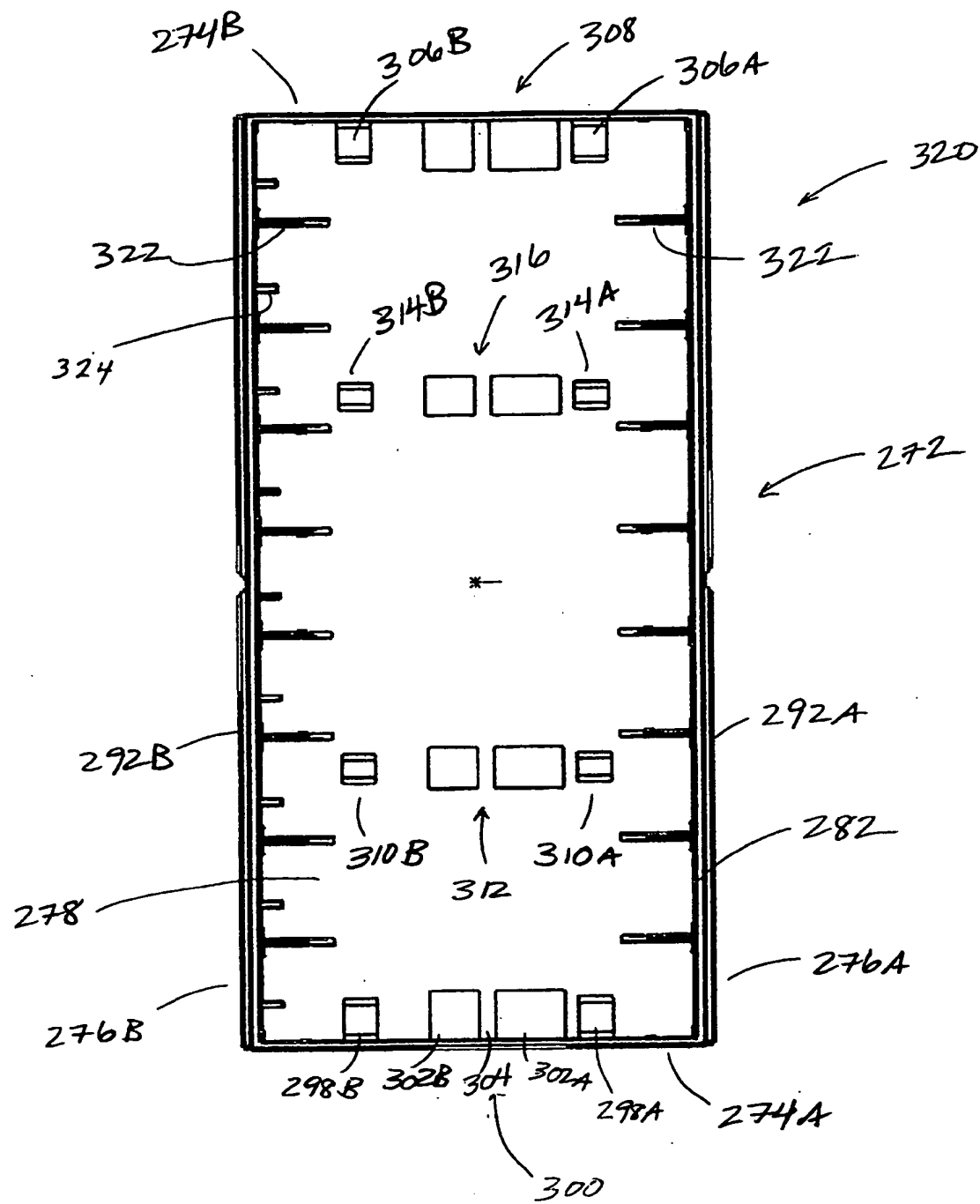
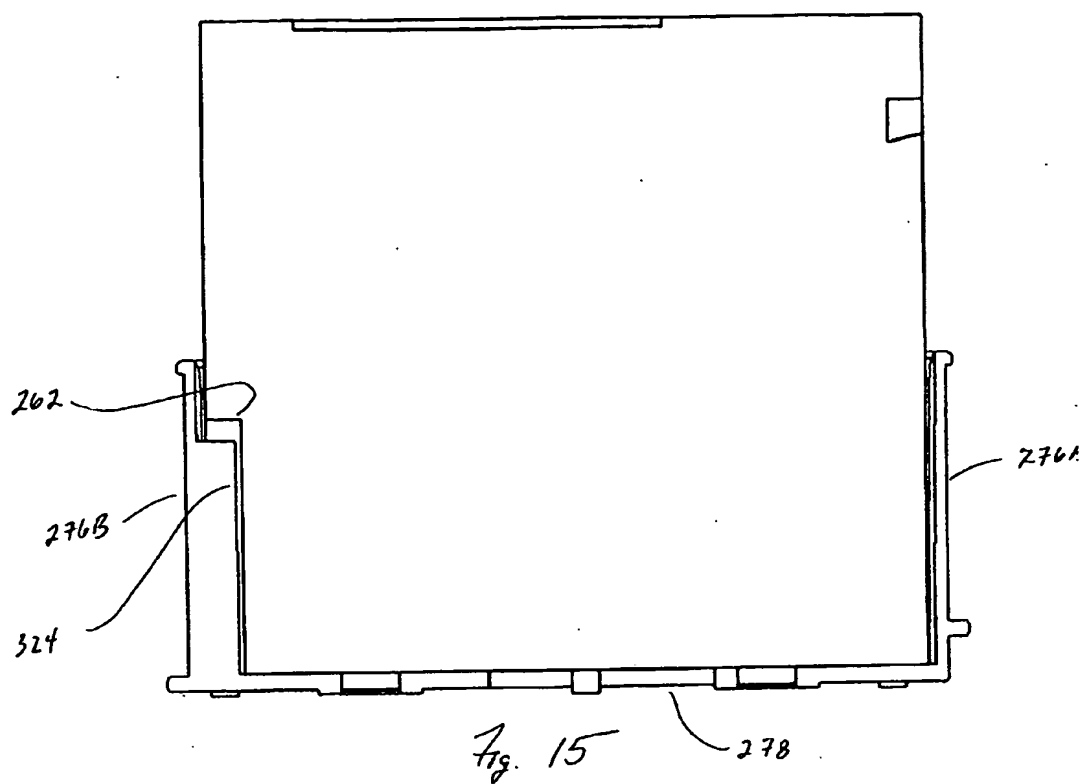


Fig 14B



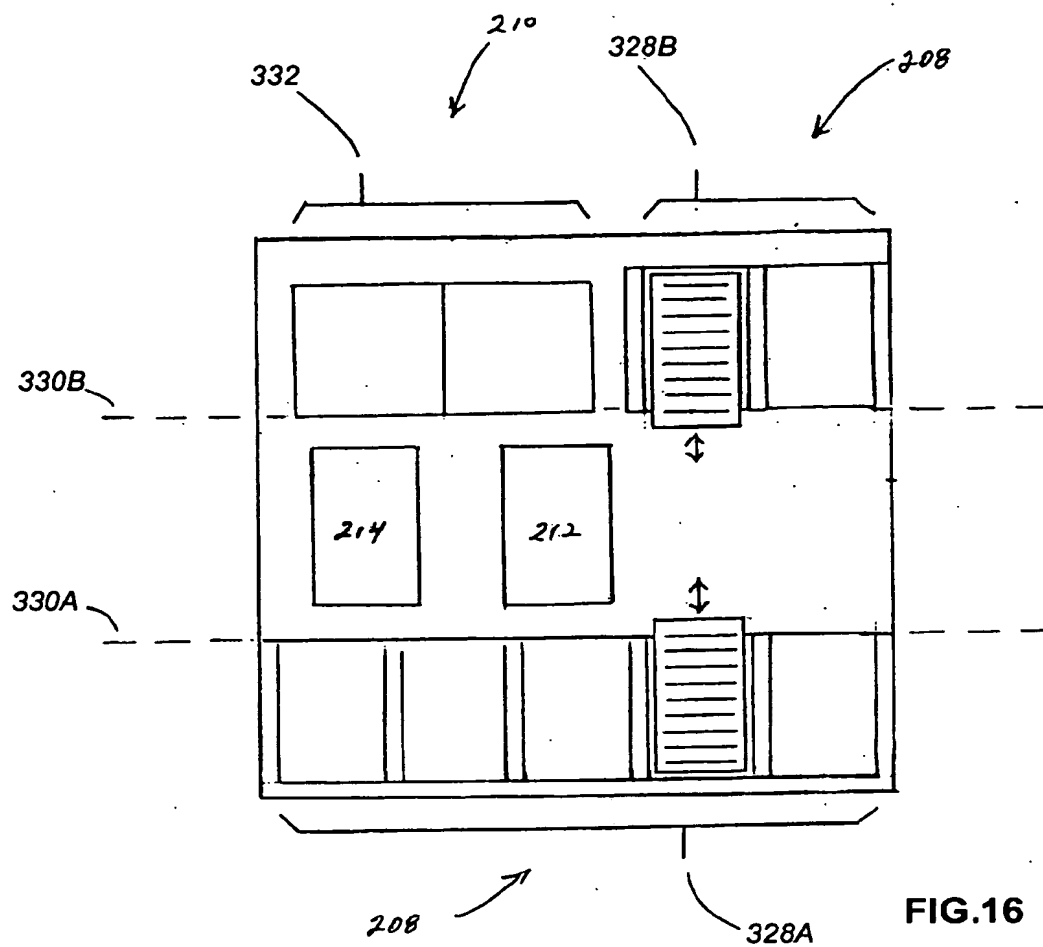


FIG.16

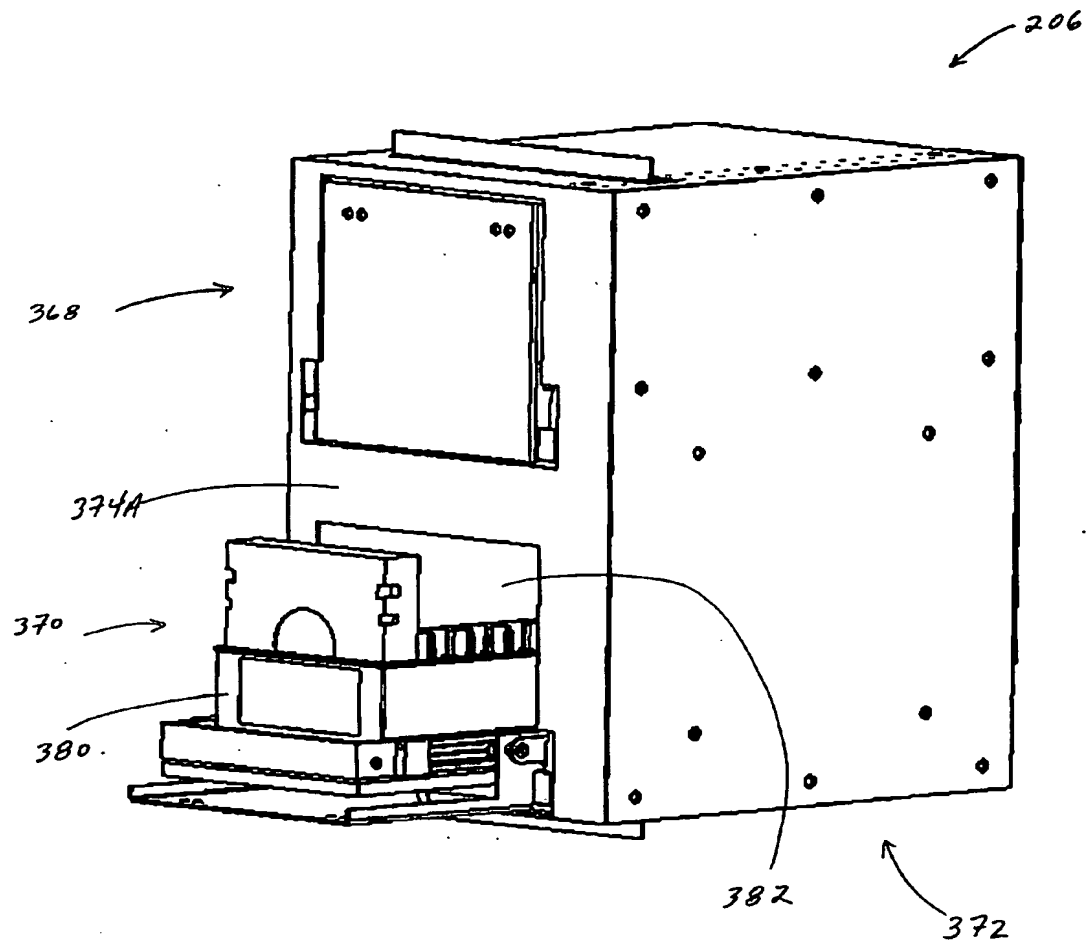


Fig 17A

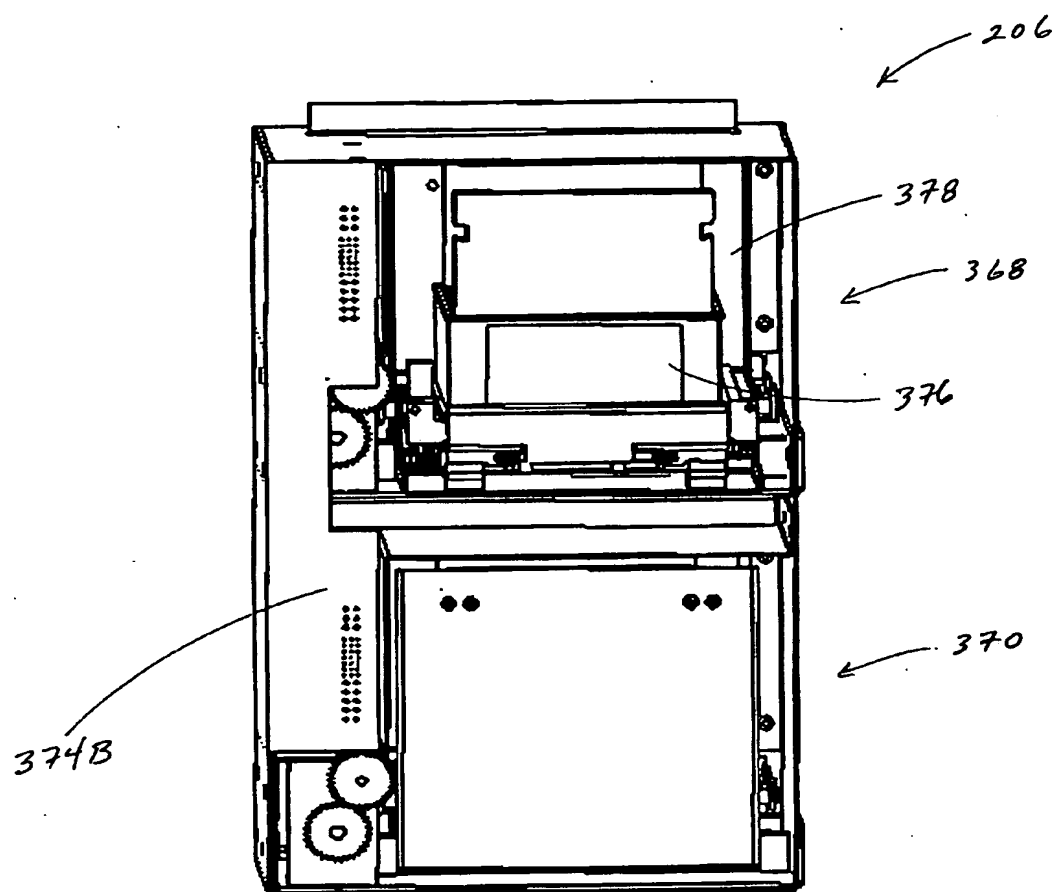


Fig. 17B

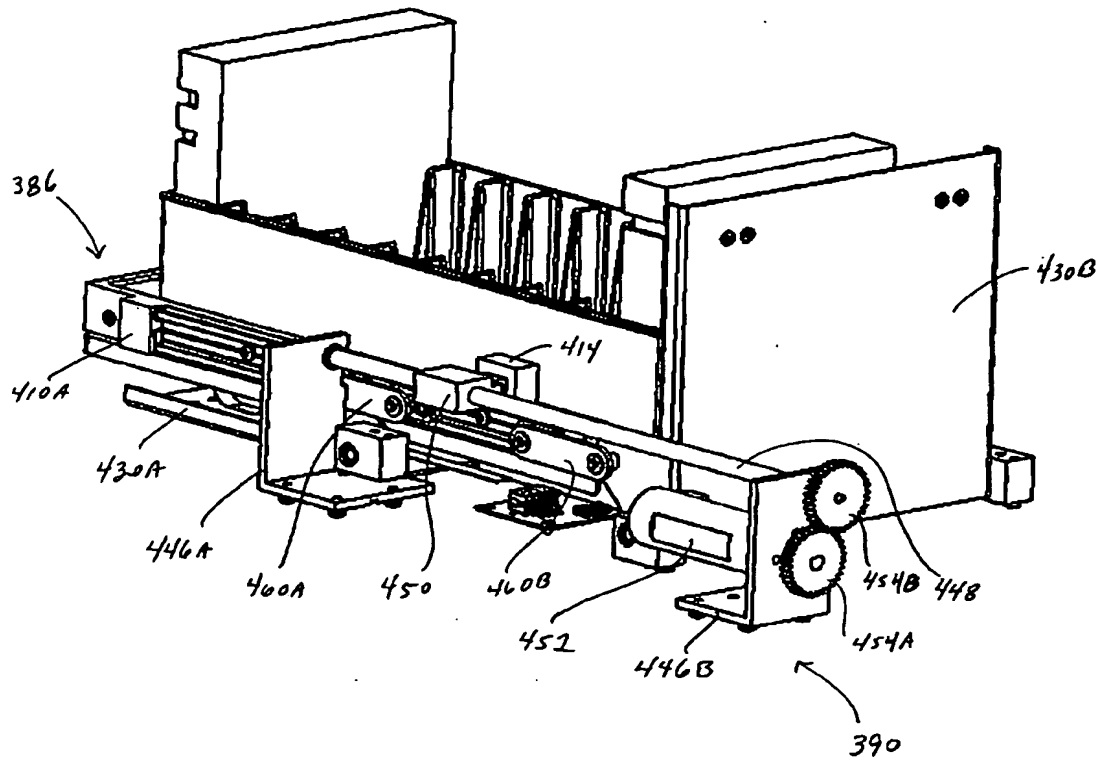
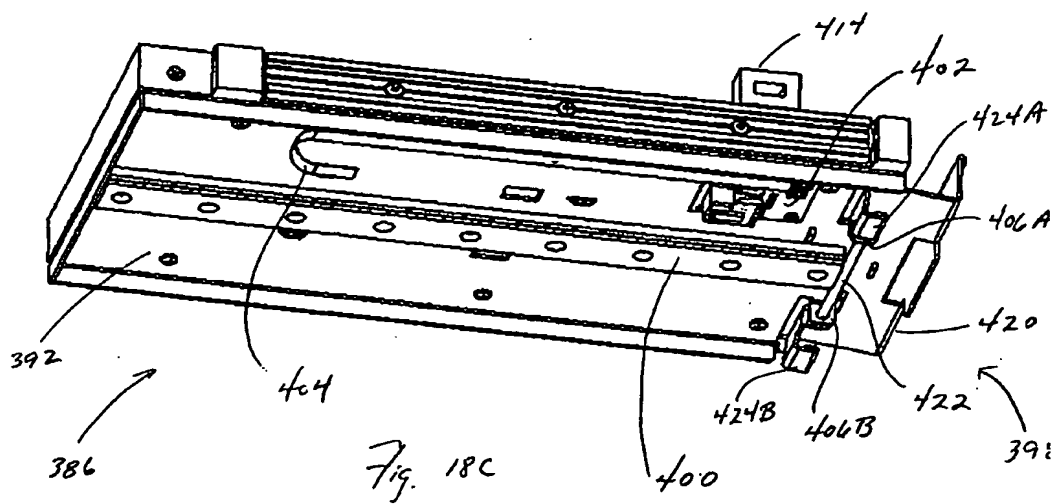
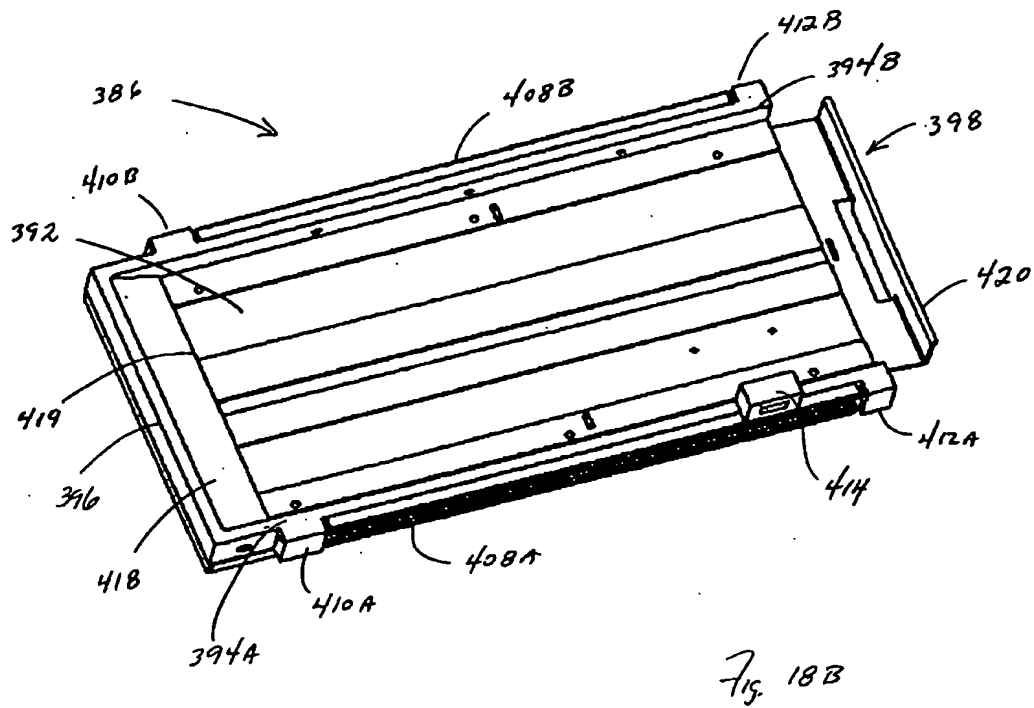
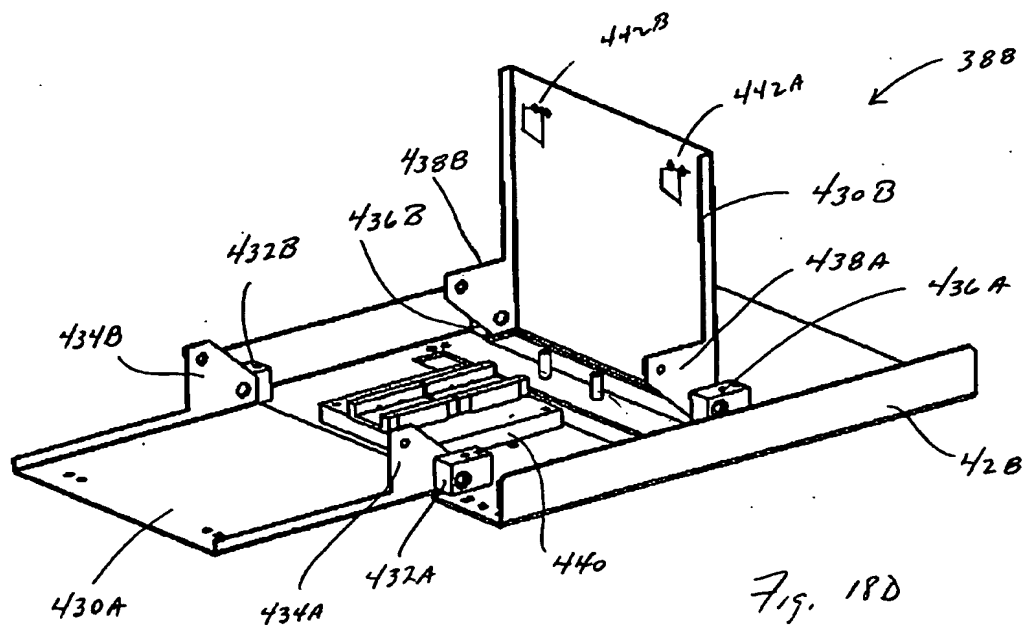


Fig. 18A





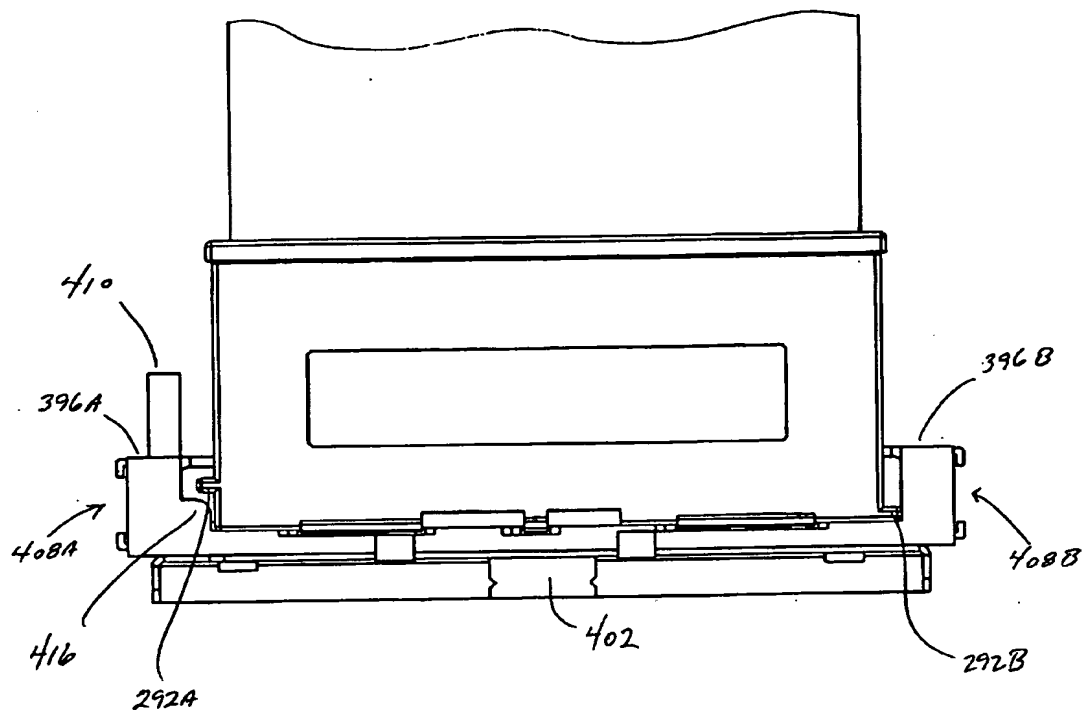
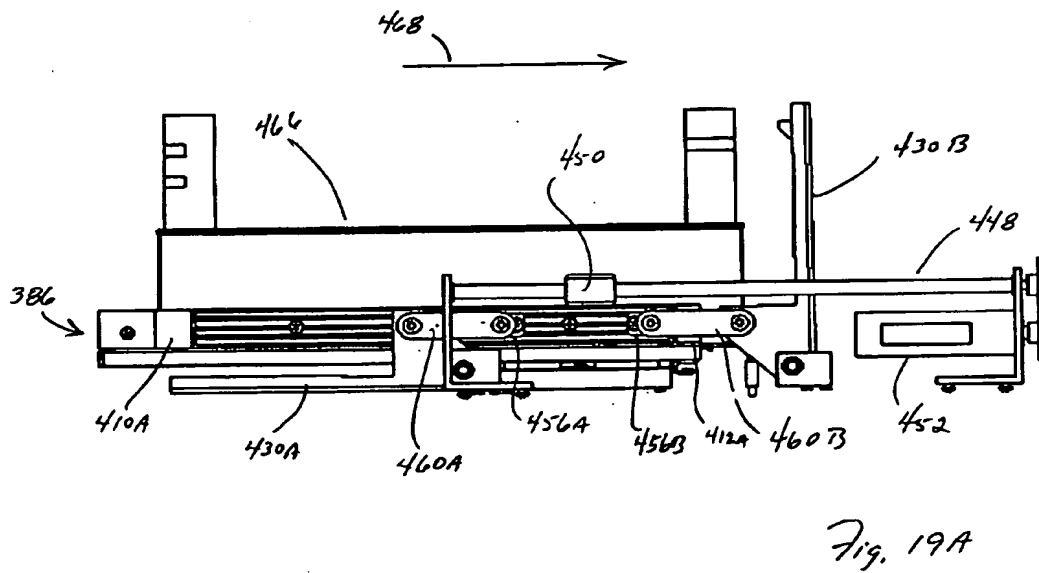
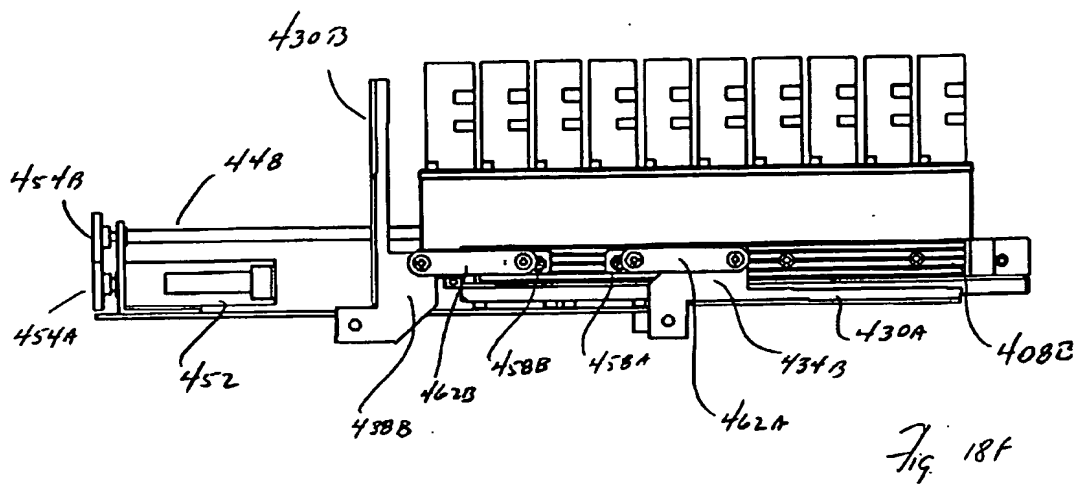


Fig. 18E



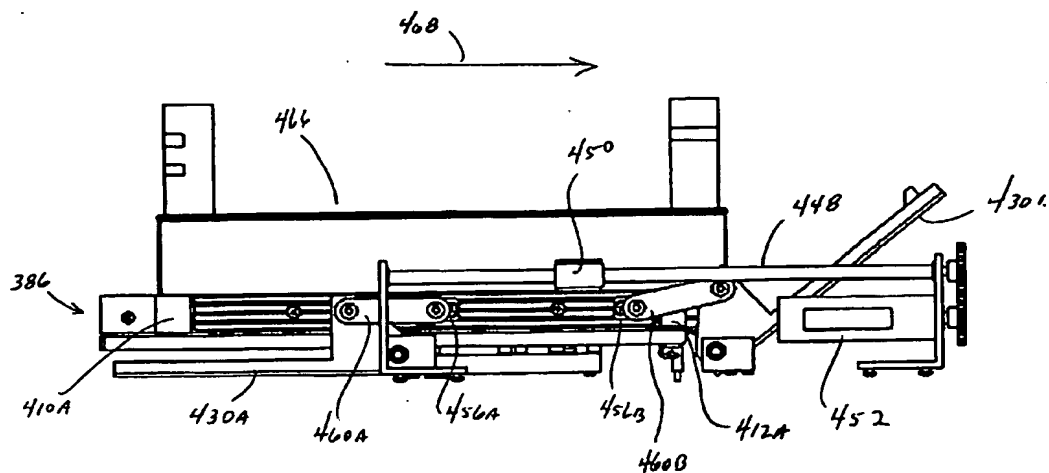


Fig. 19B

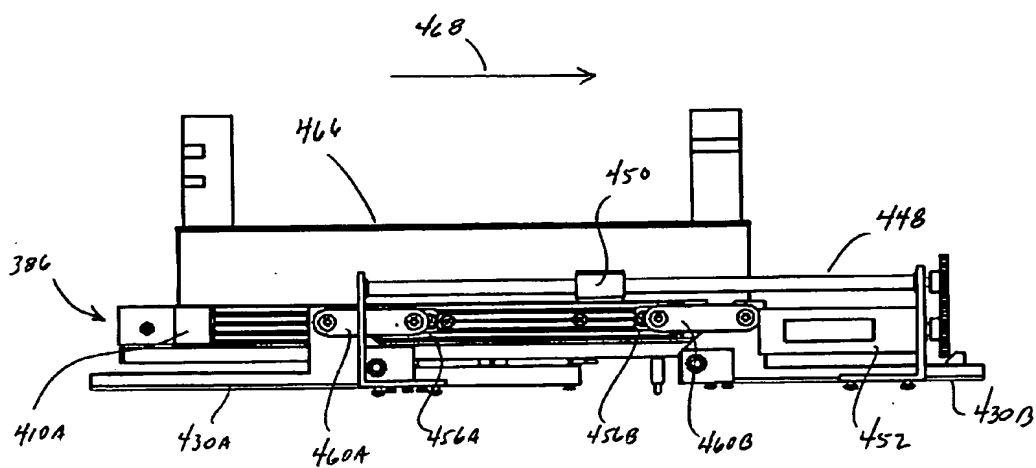


Fig. 19C

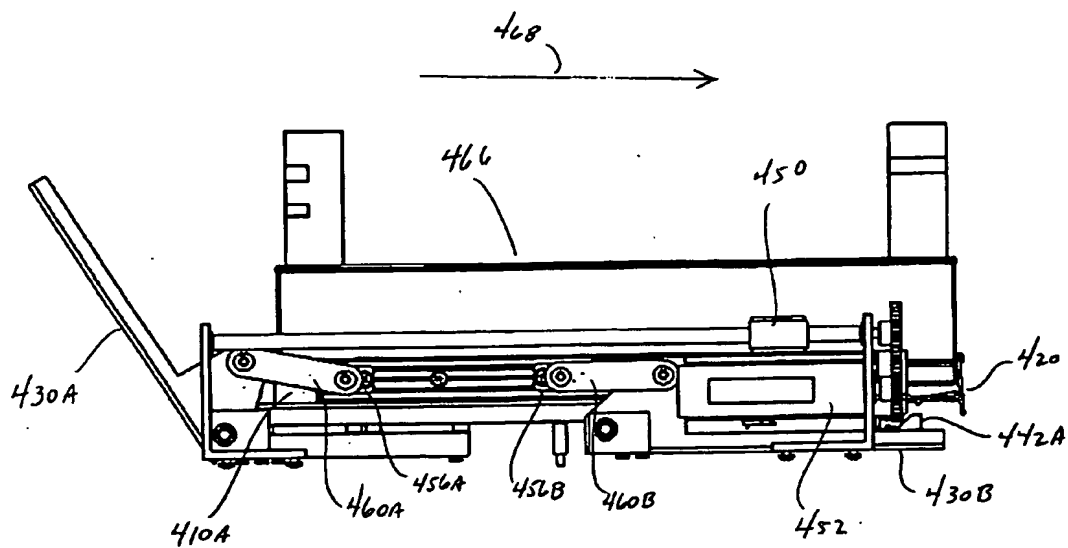


Fig. 19D

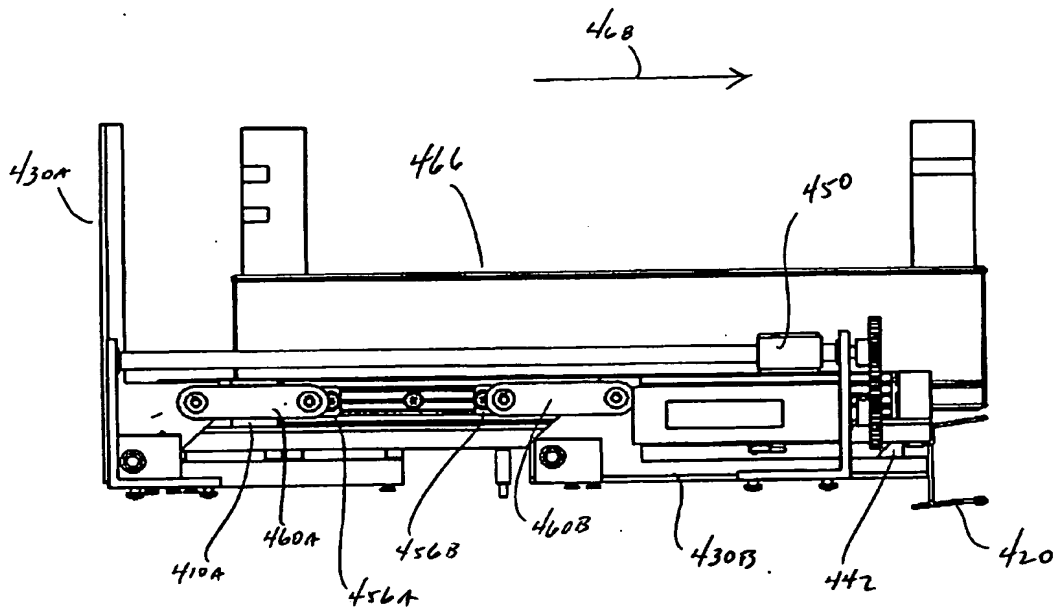
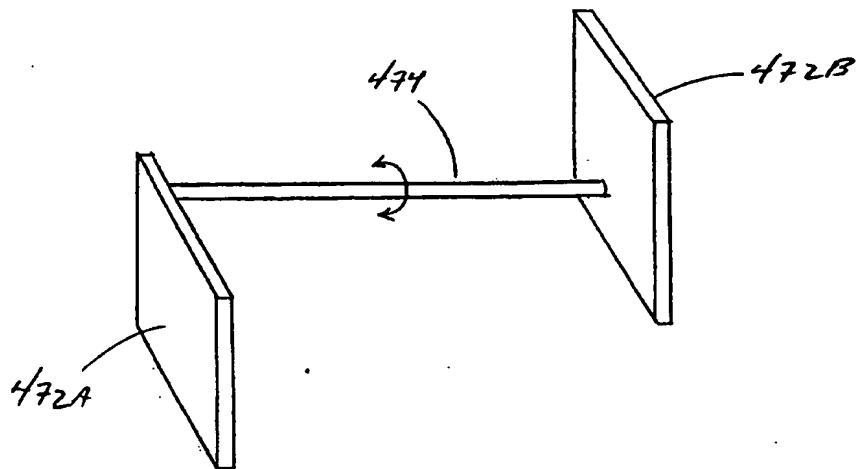


Fig. 19E

Fig. 20A



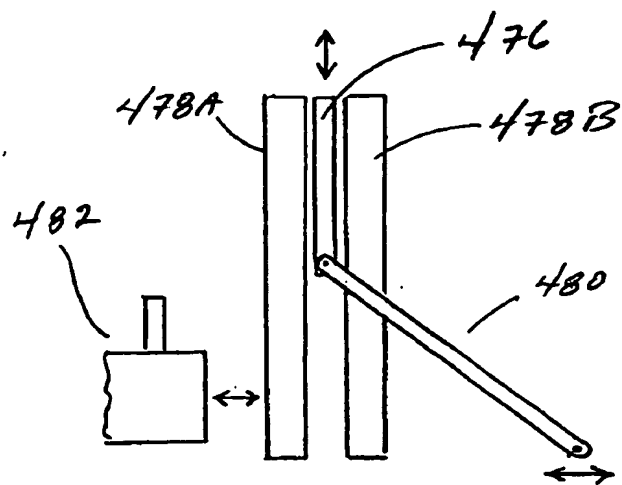


Fig. 20B

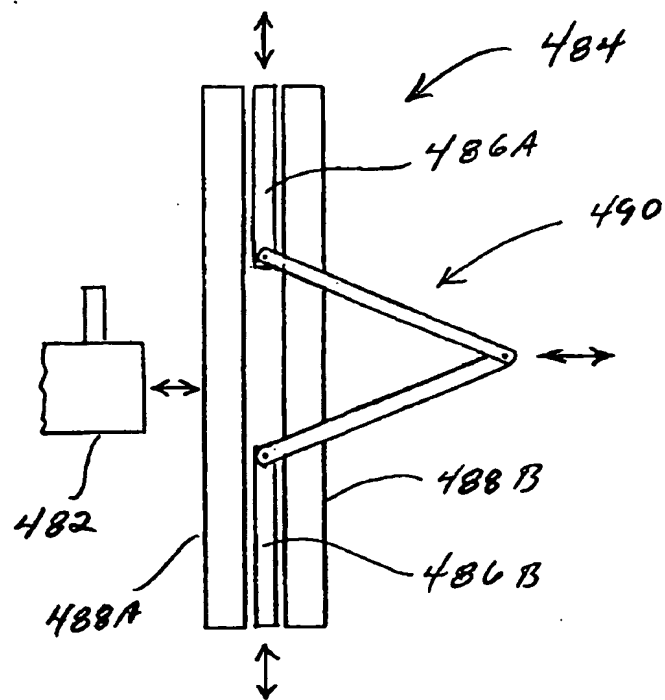
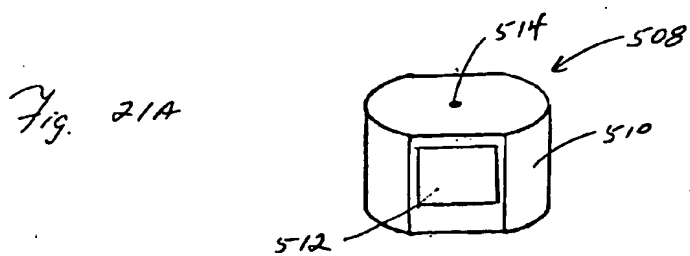
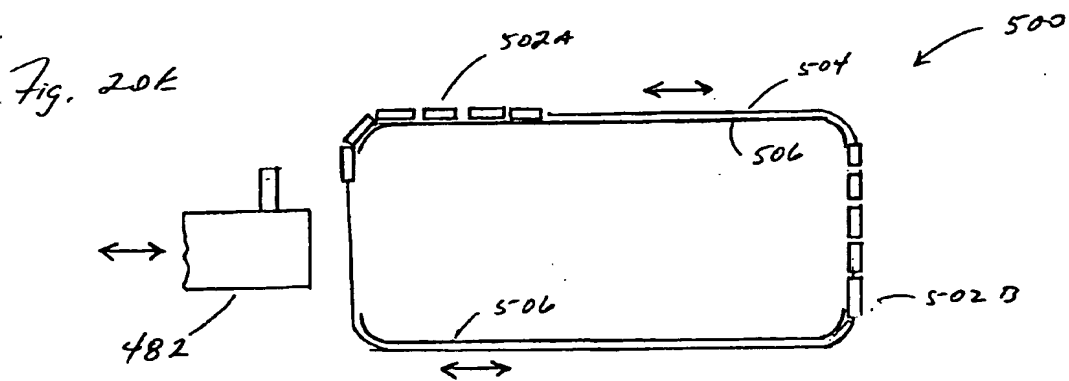
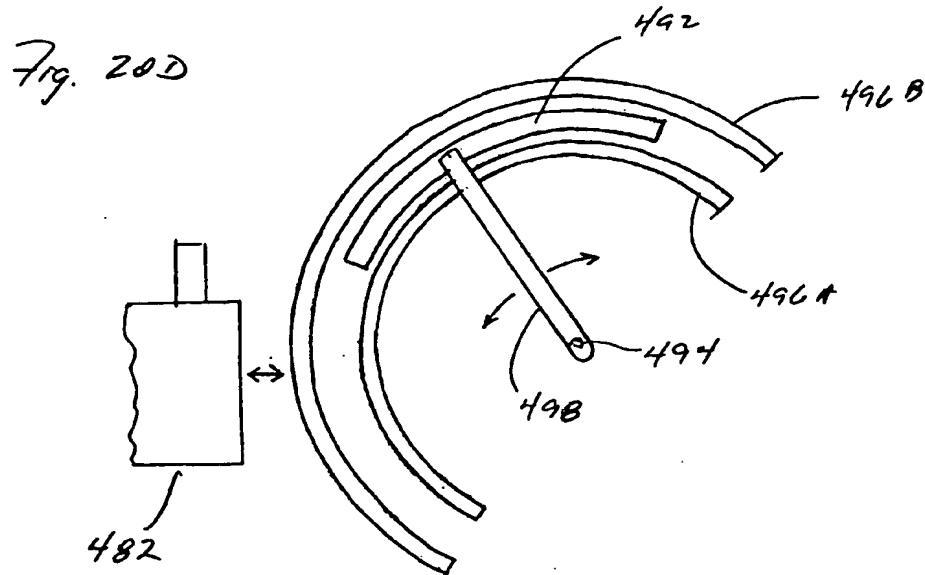
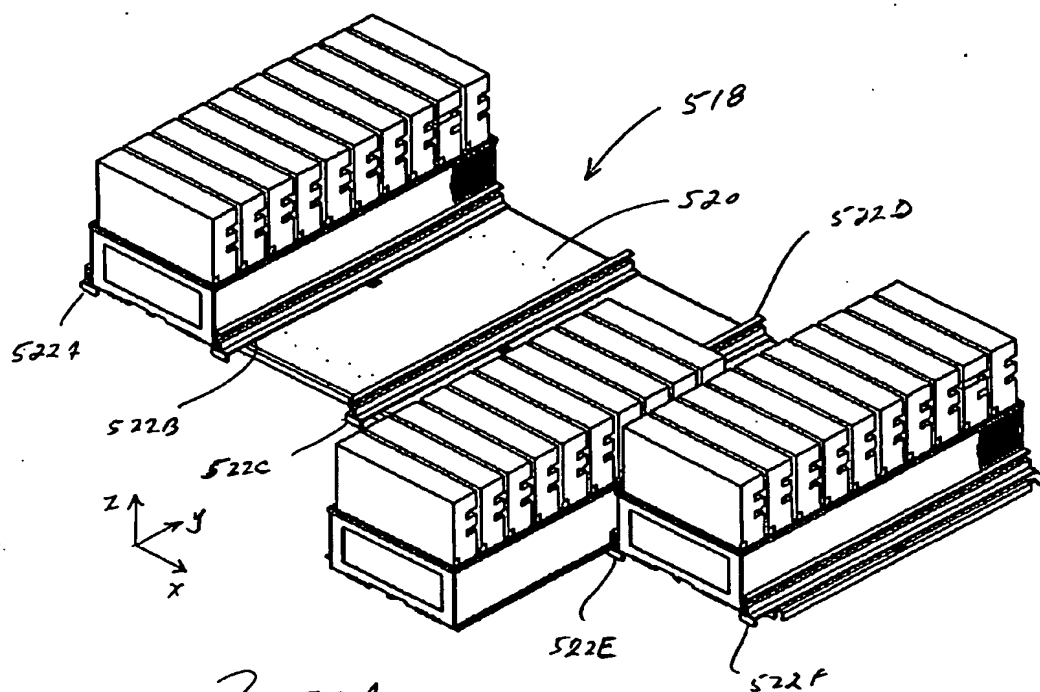
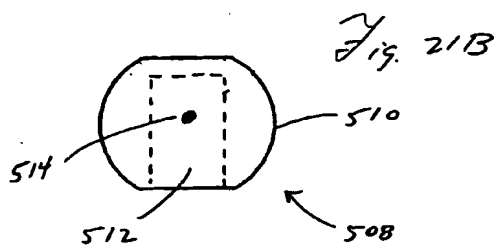
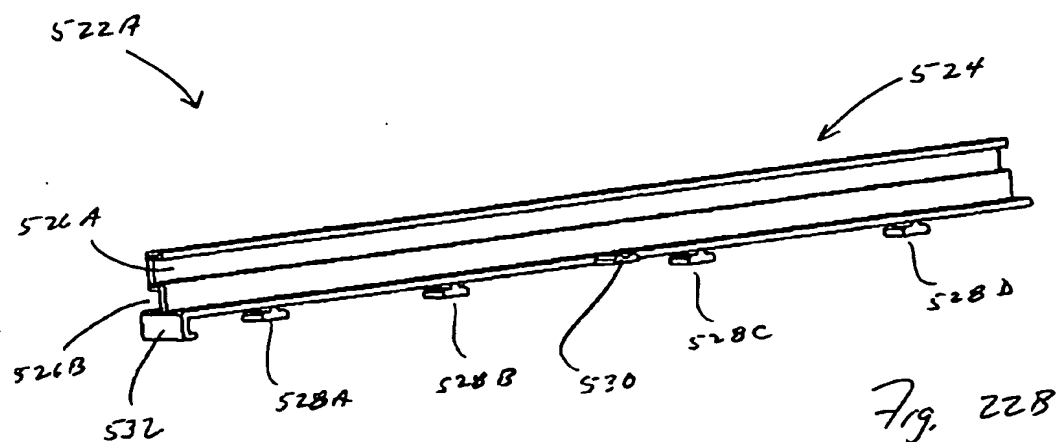


Fig. 20C







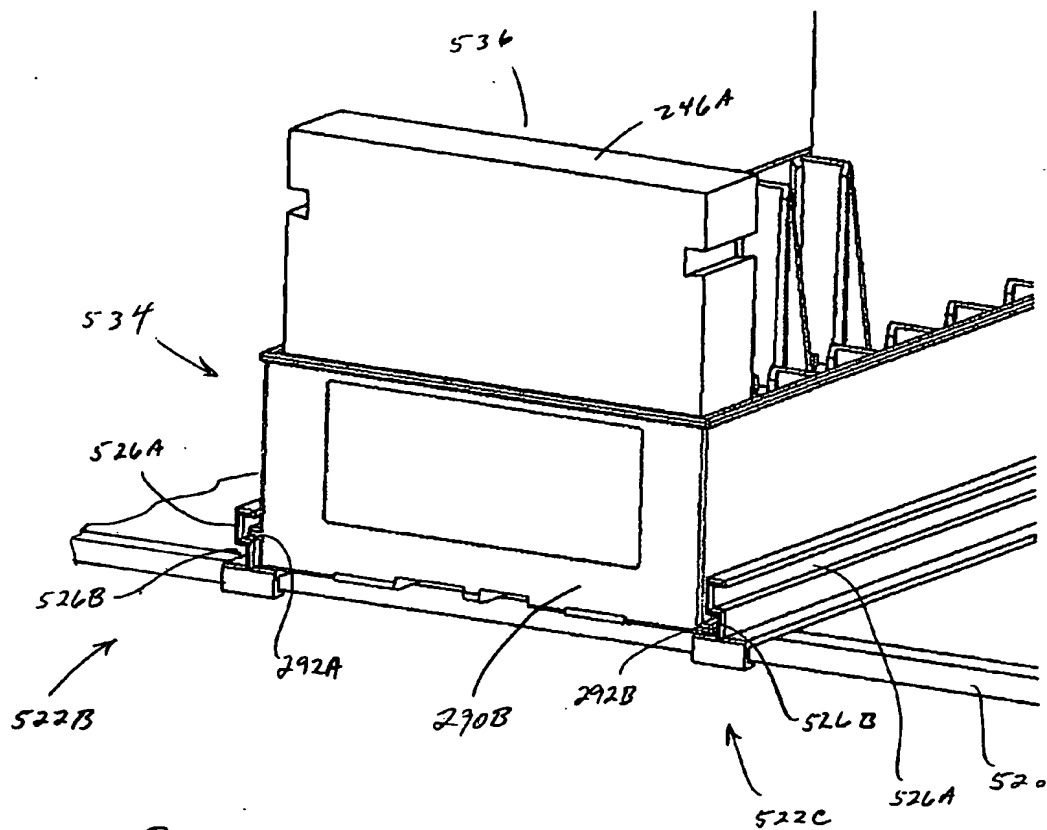
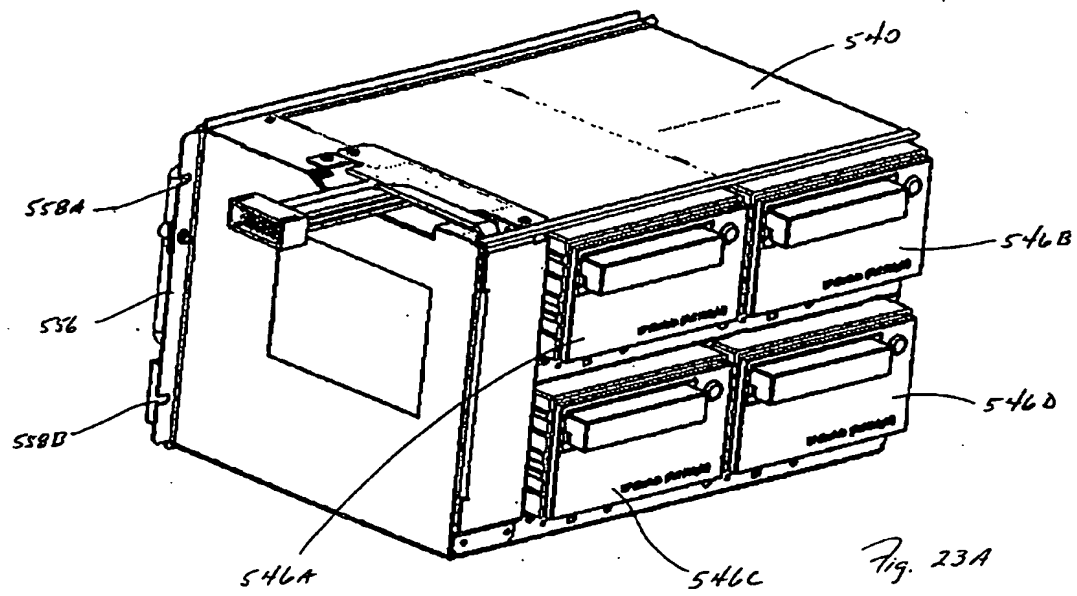
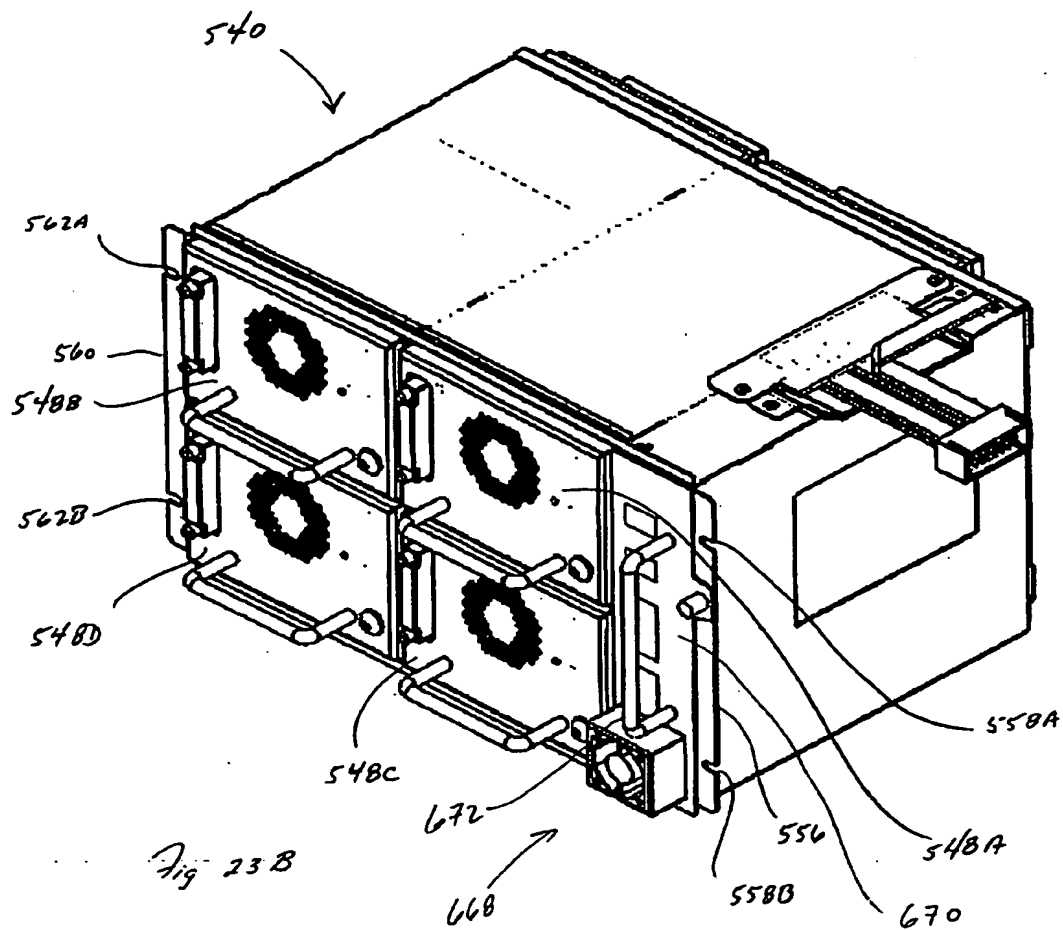


Fig. 22C





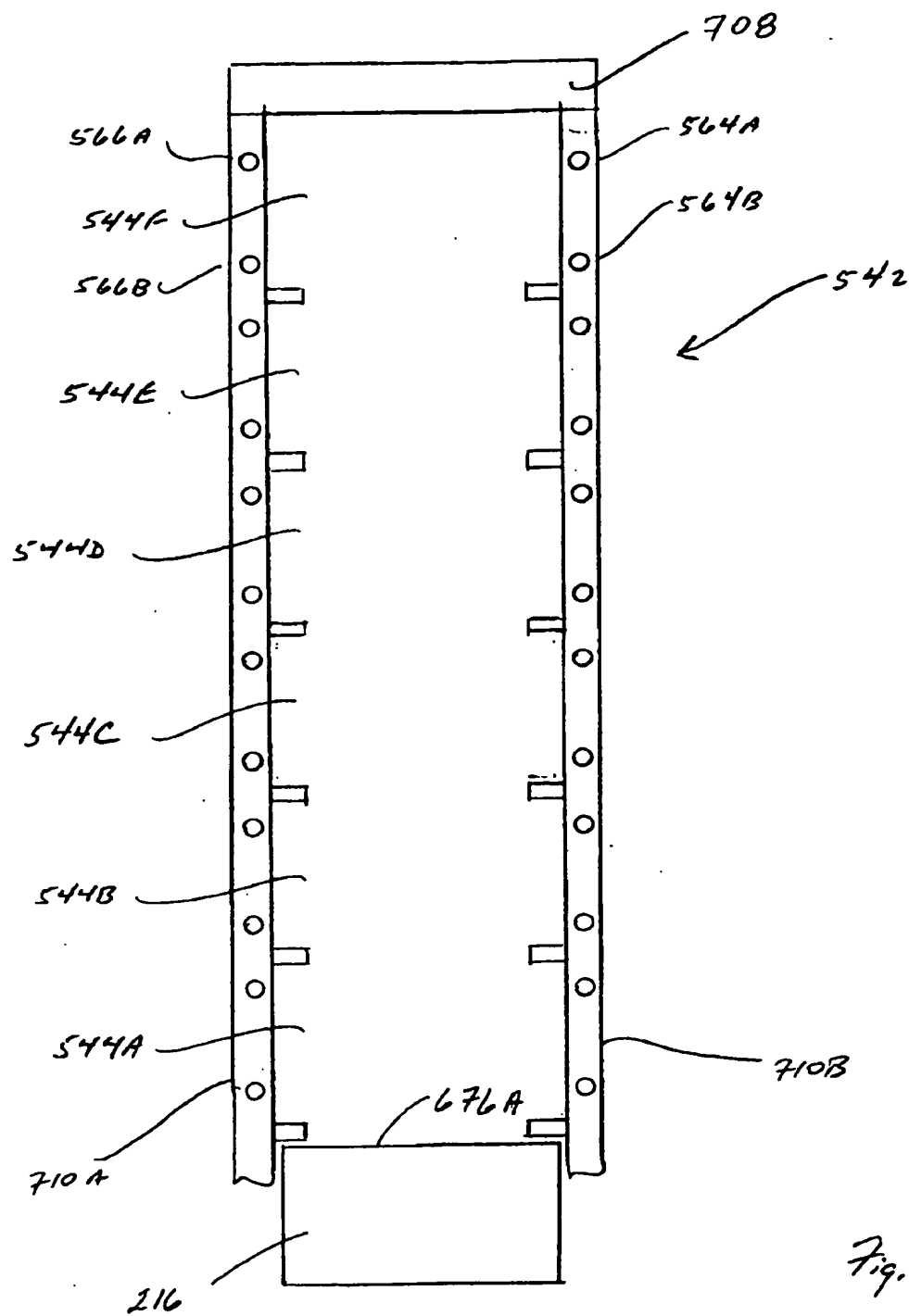
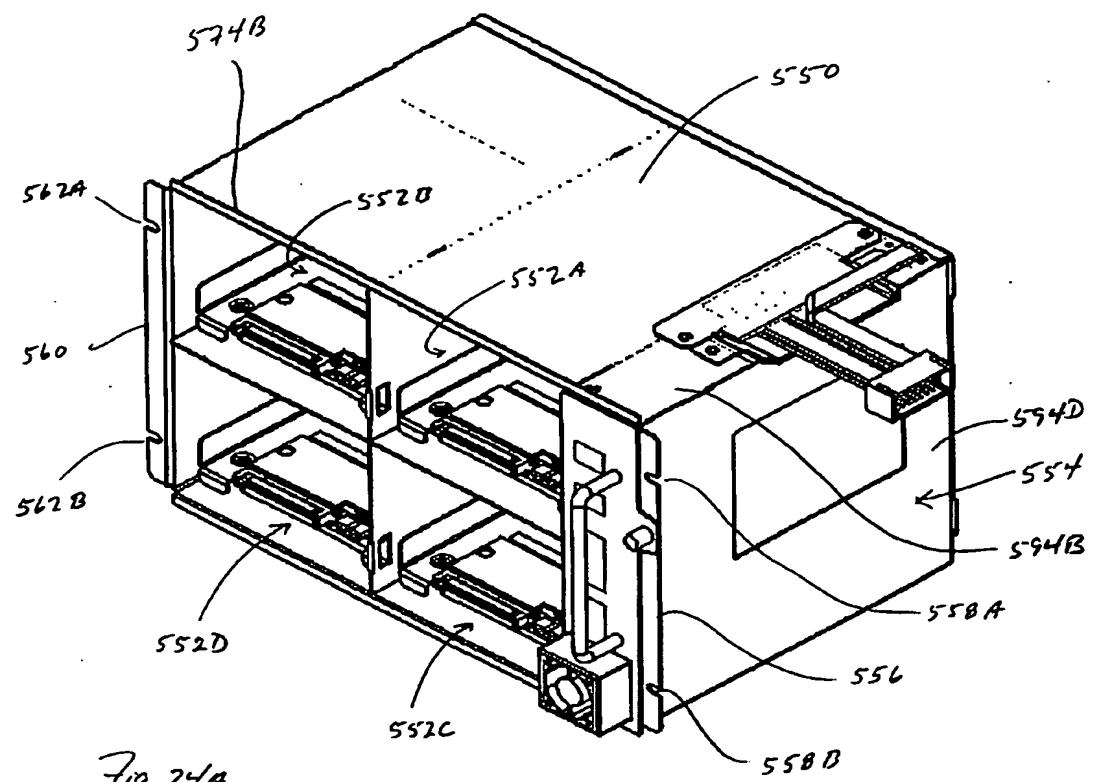
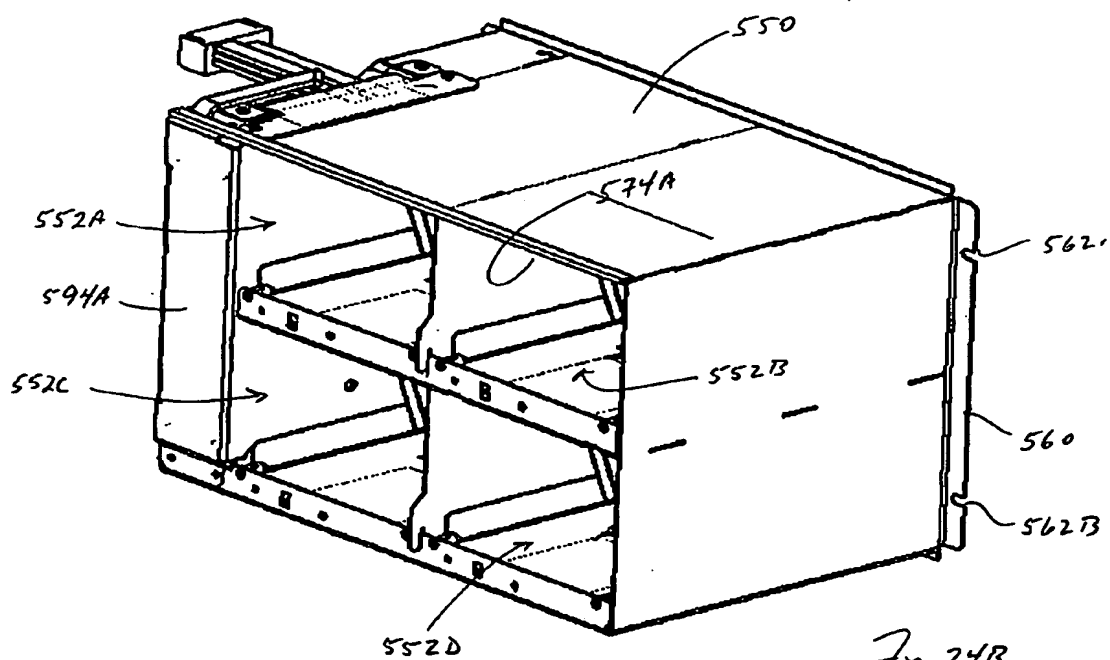
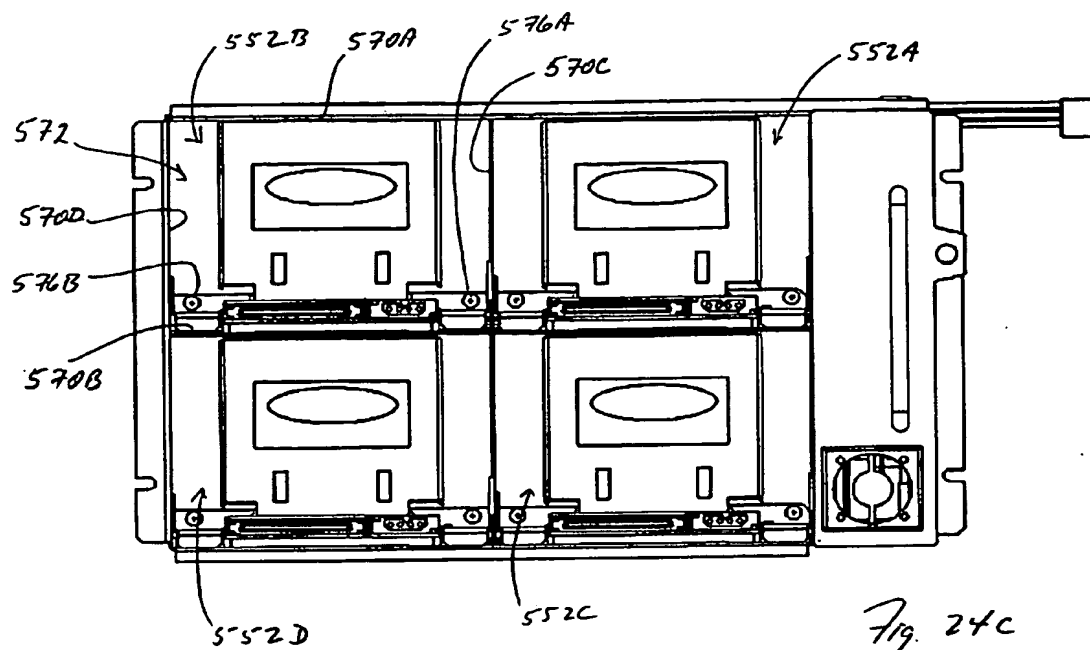
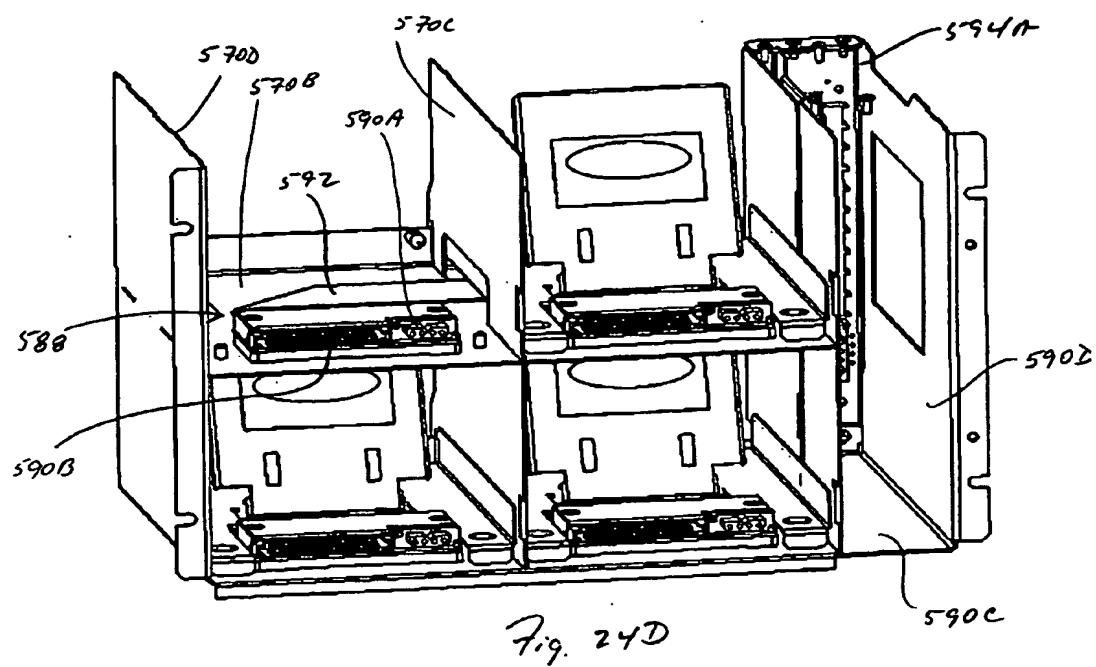


Fig. 23C









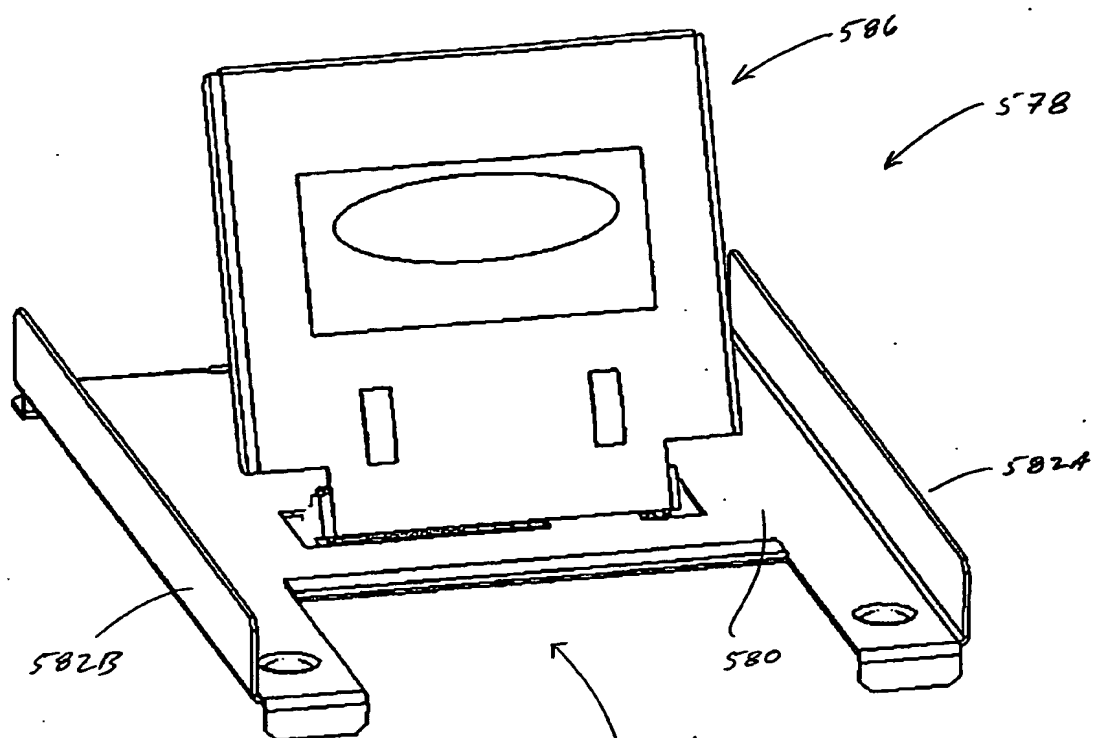
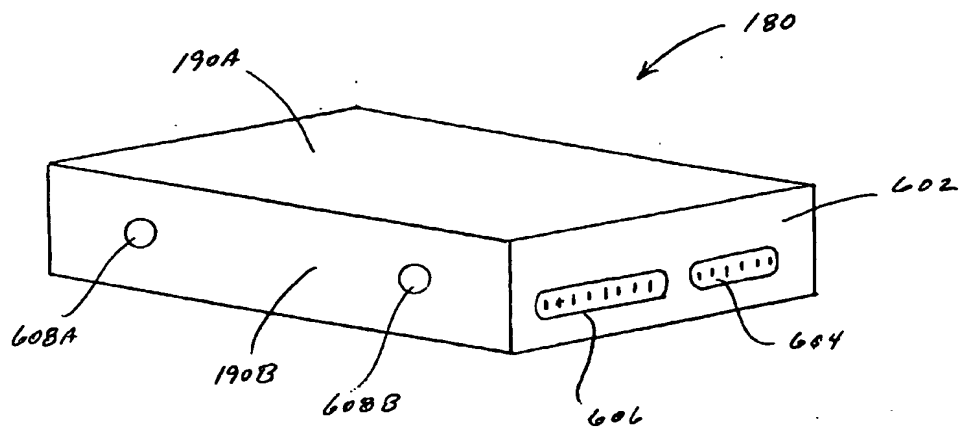
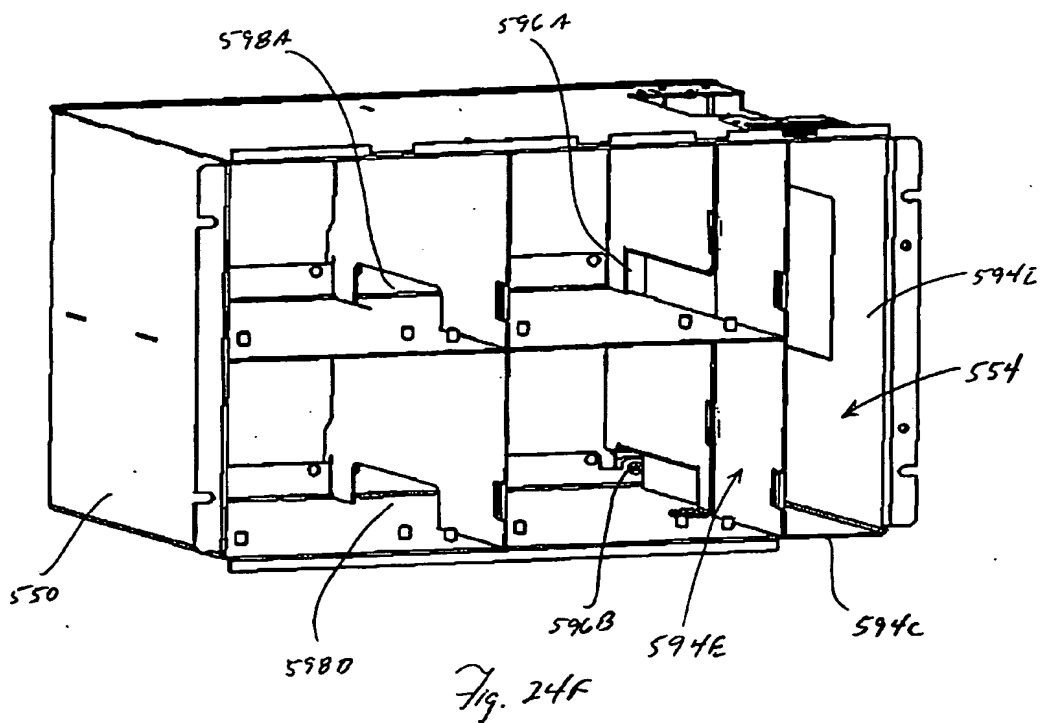
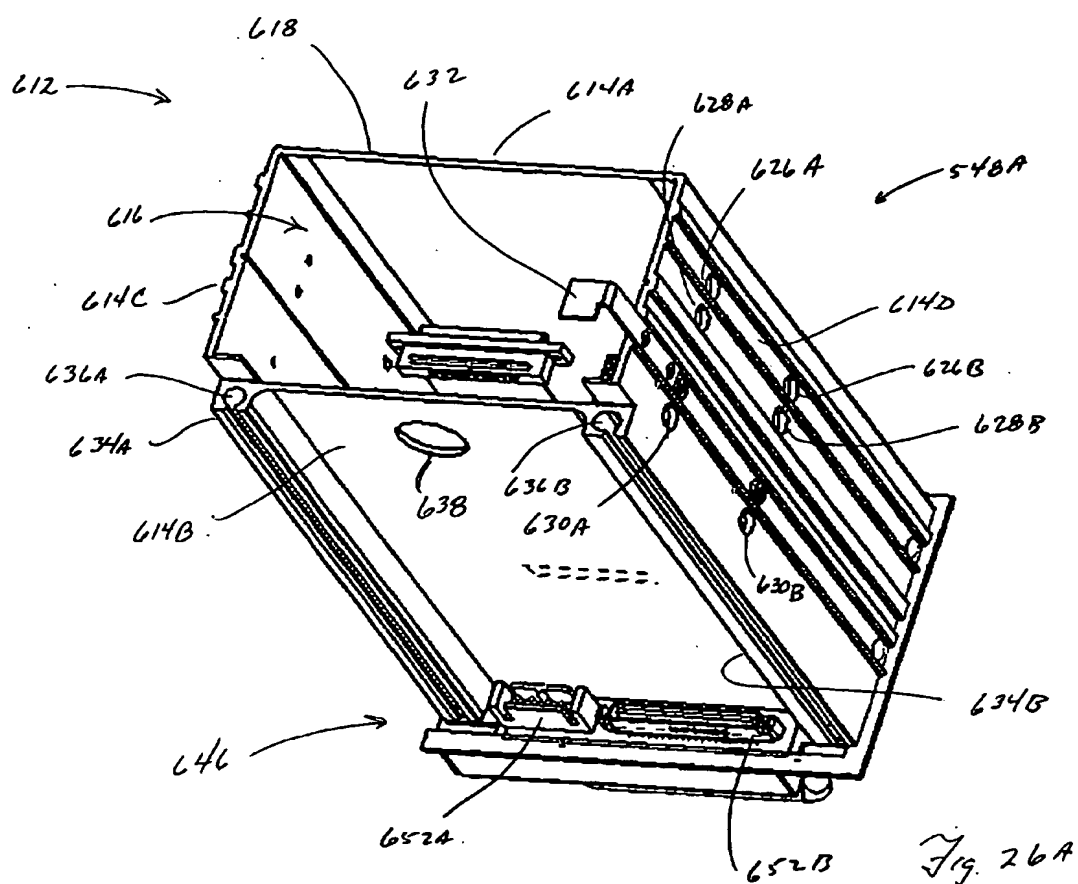
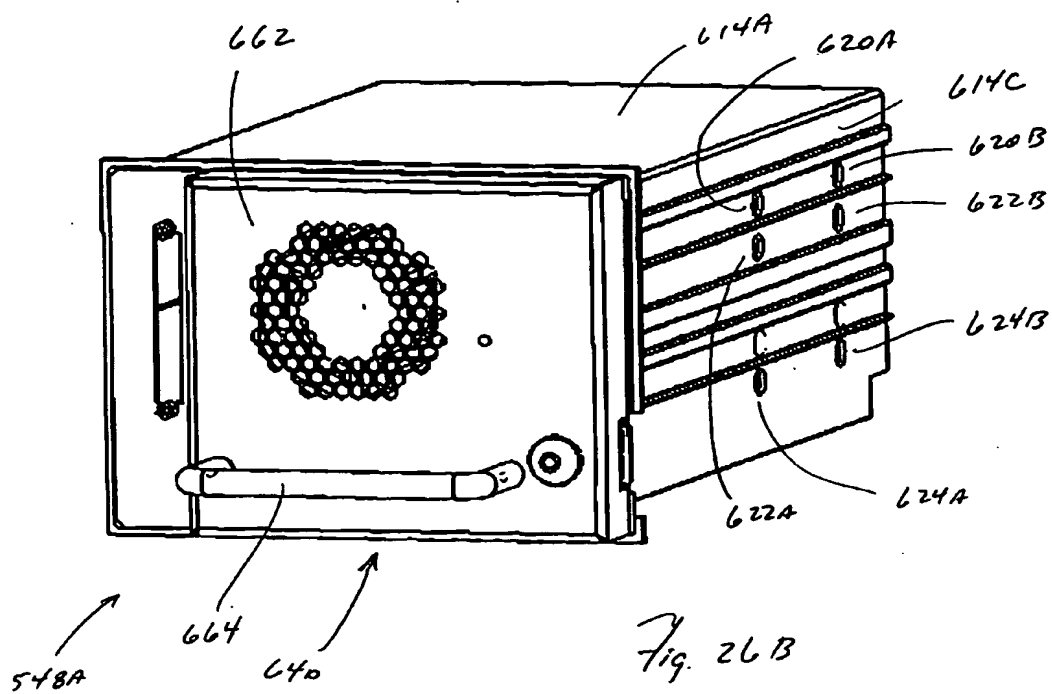
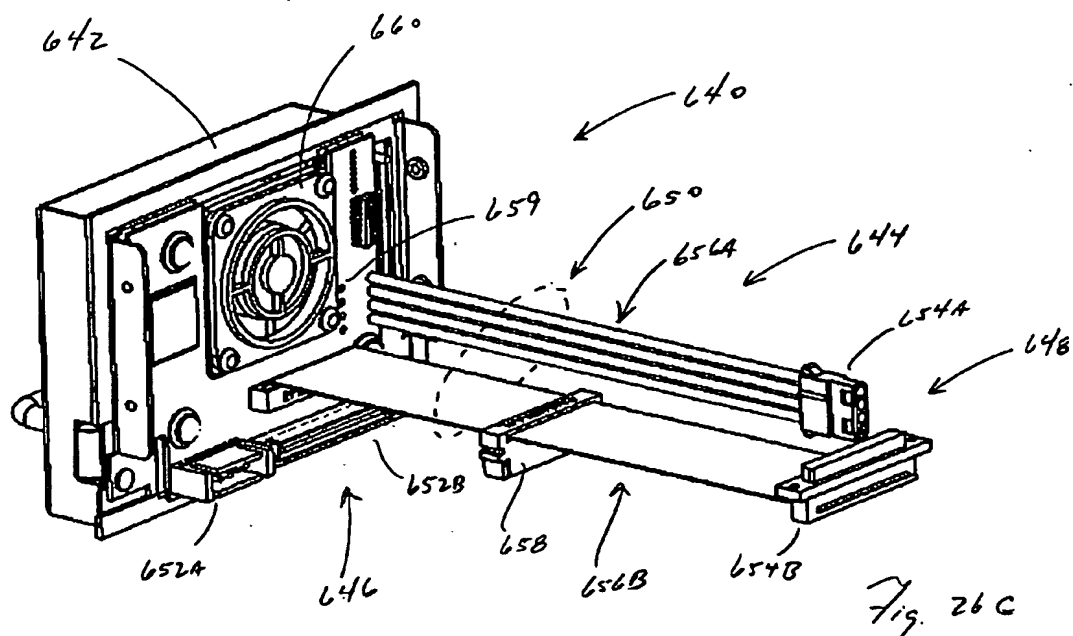


Fig. 24E









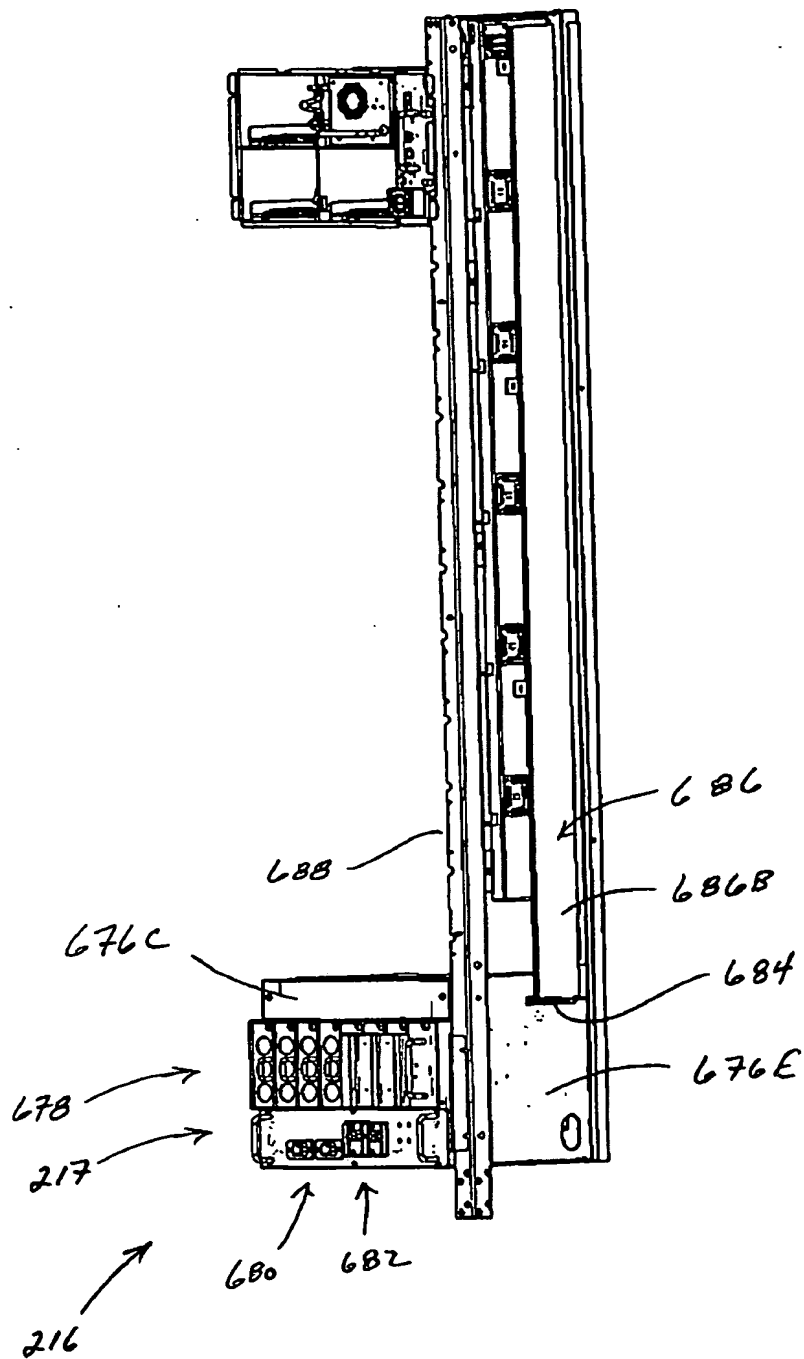


Fig. 27A

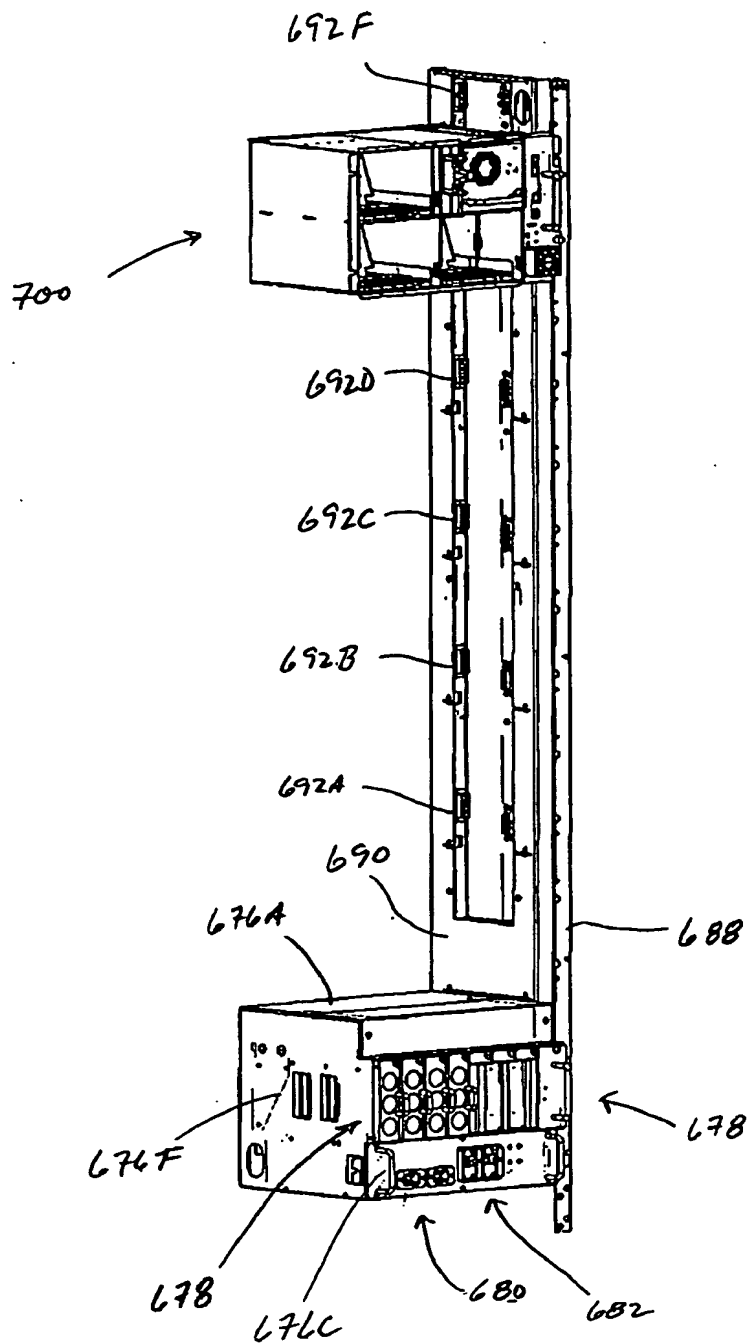


Fig. 27B

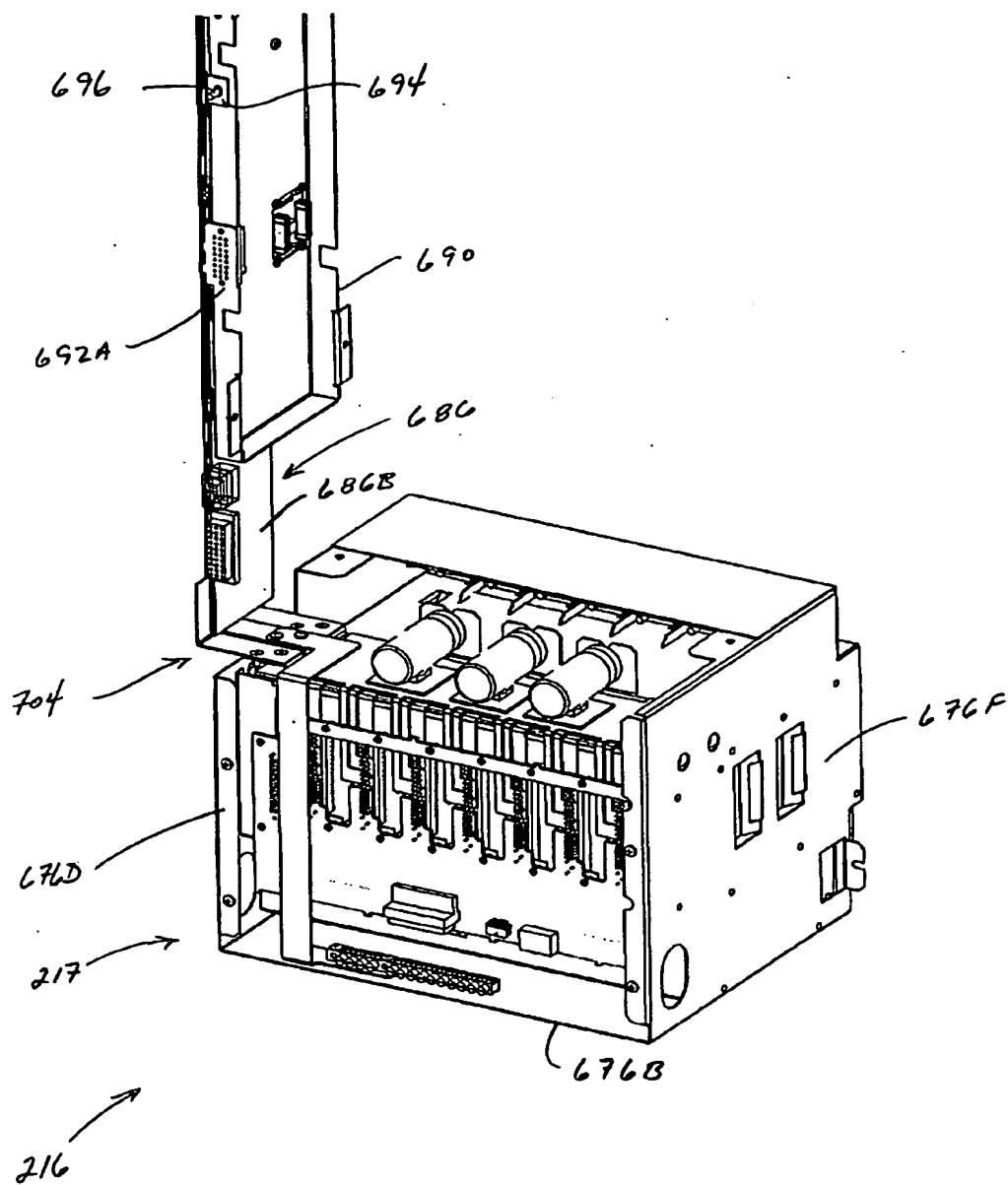


Fig. 27C

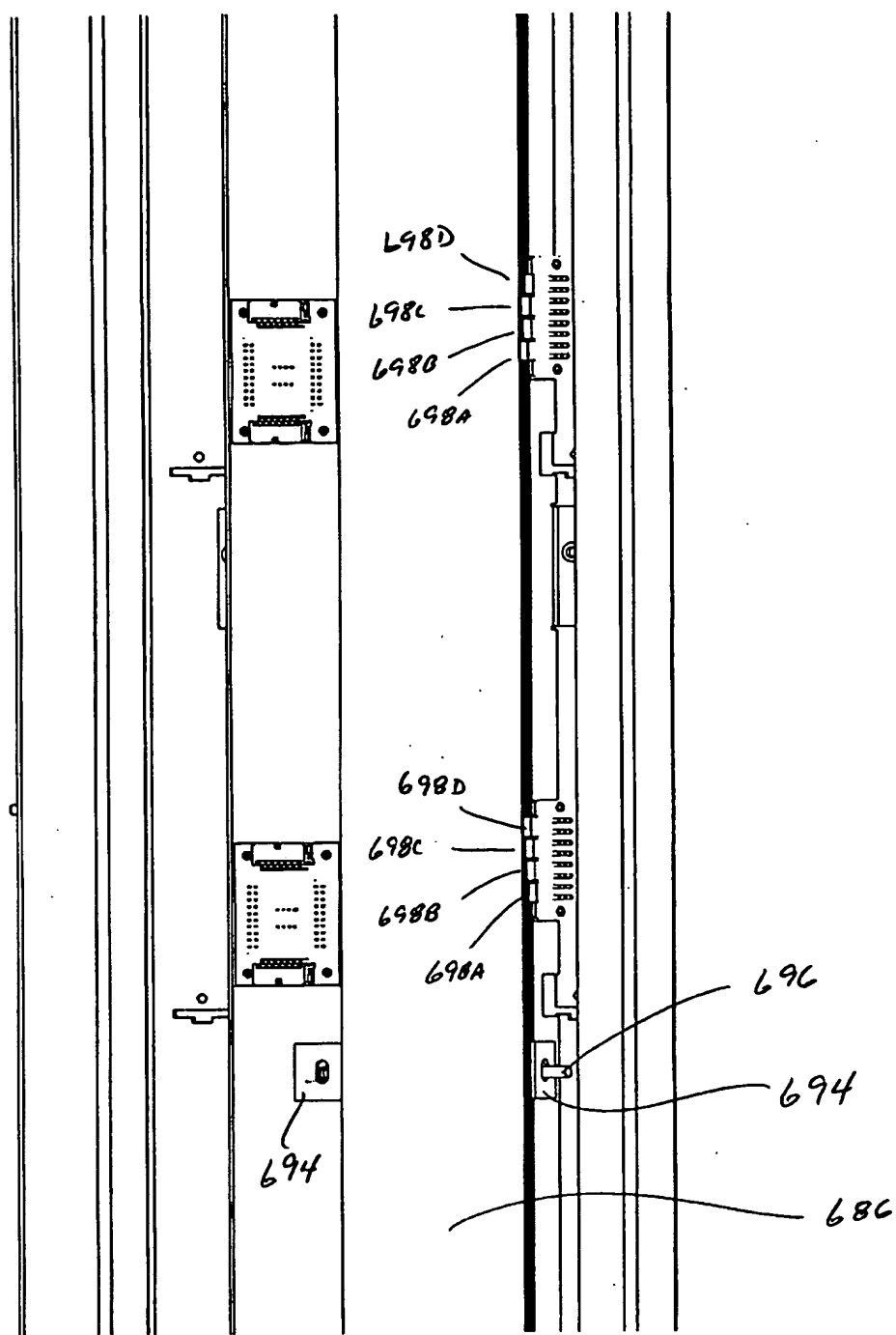


Fig. 27D

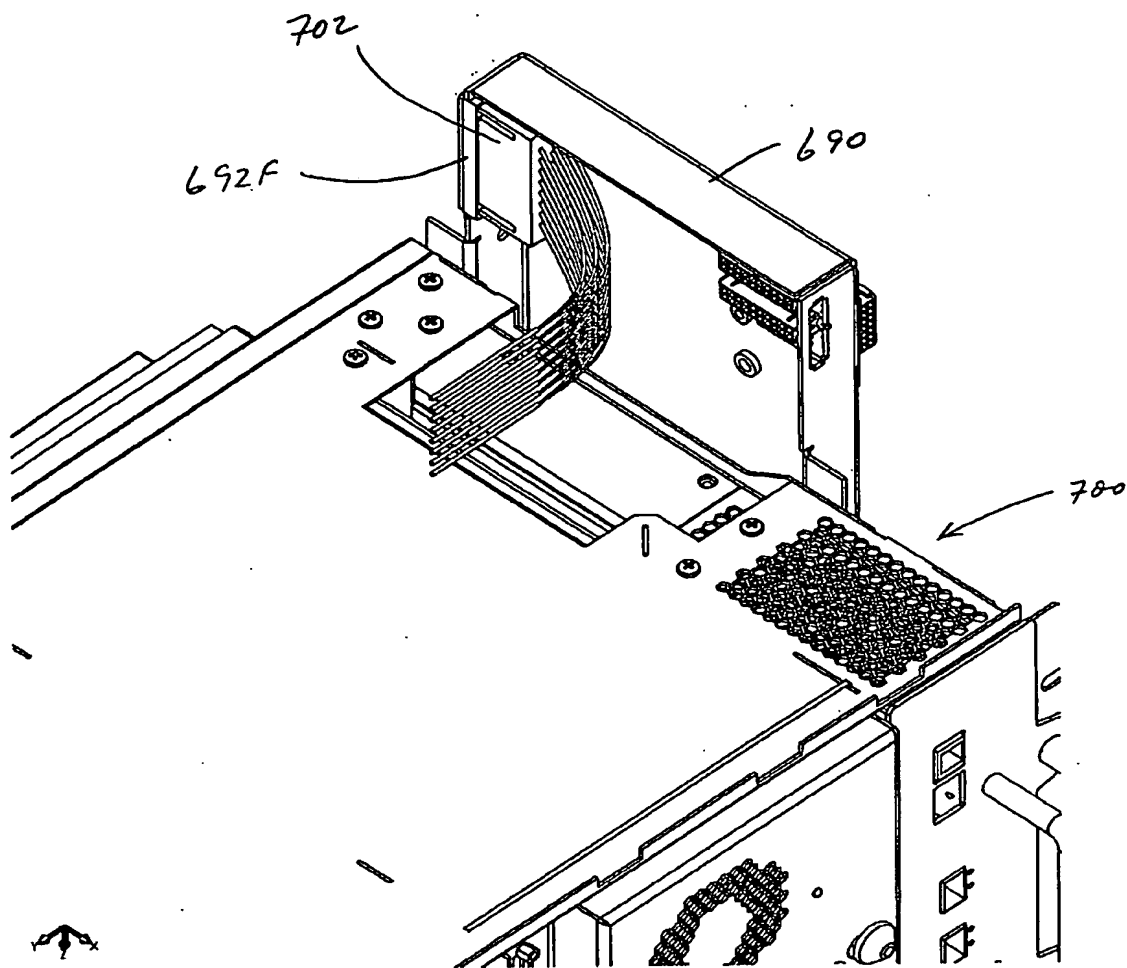
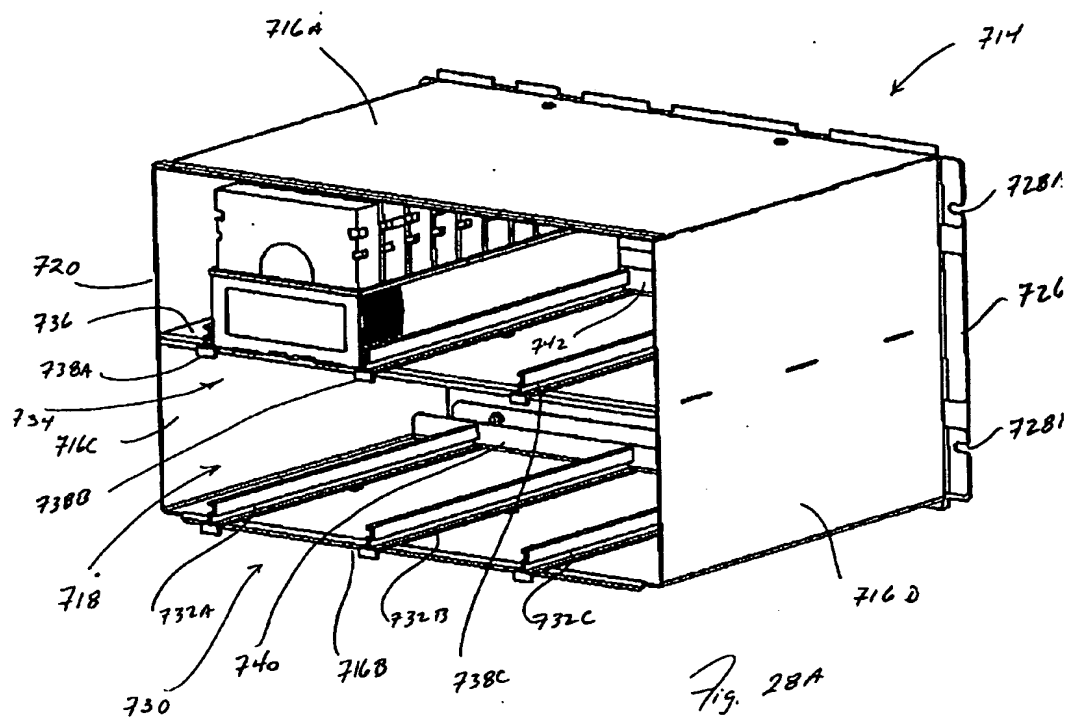
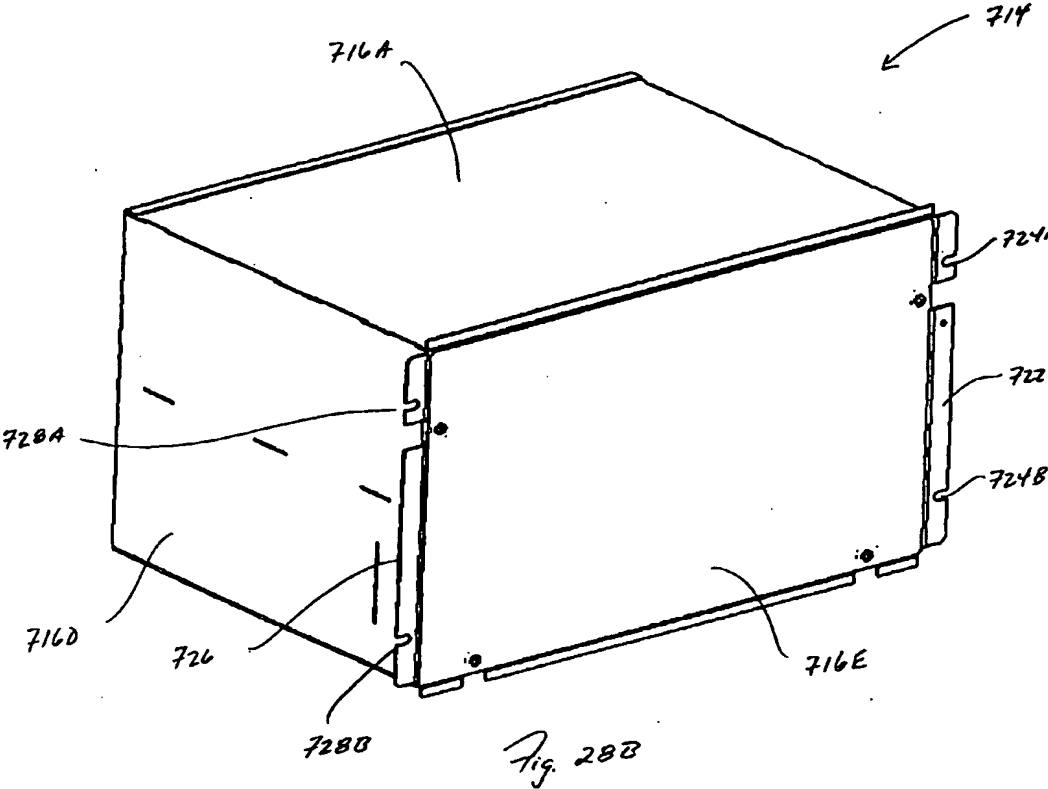


Fig. 27E





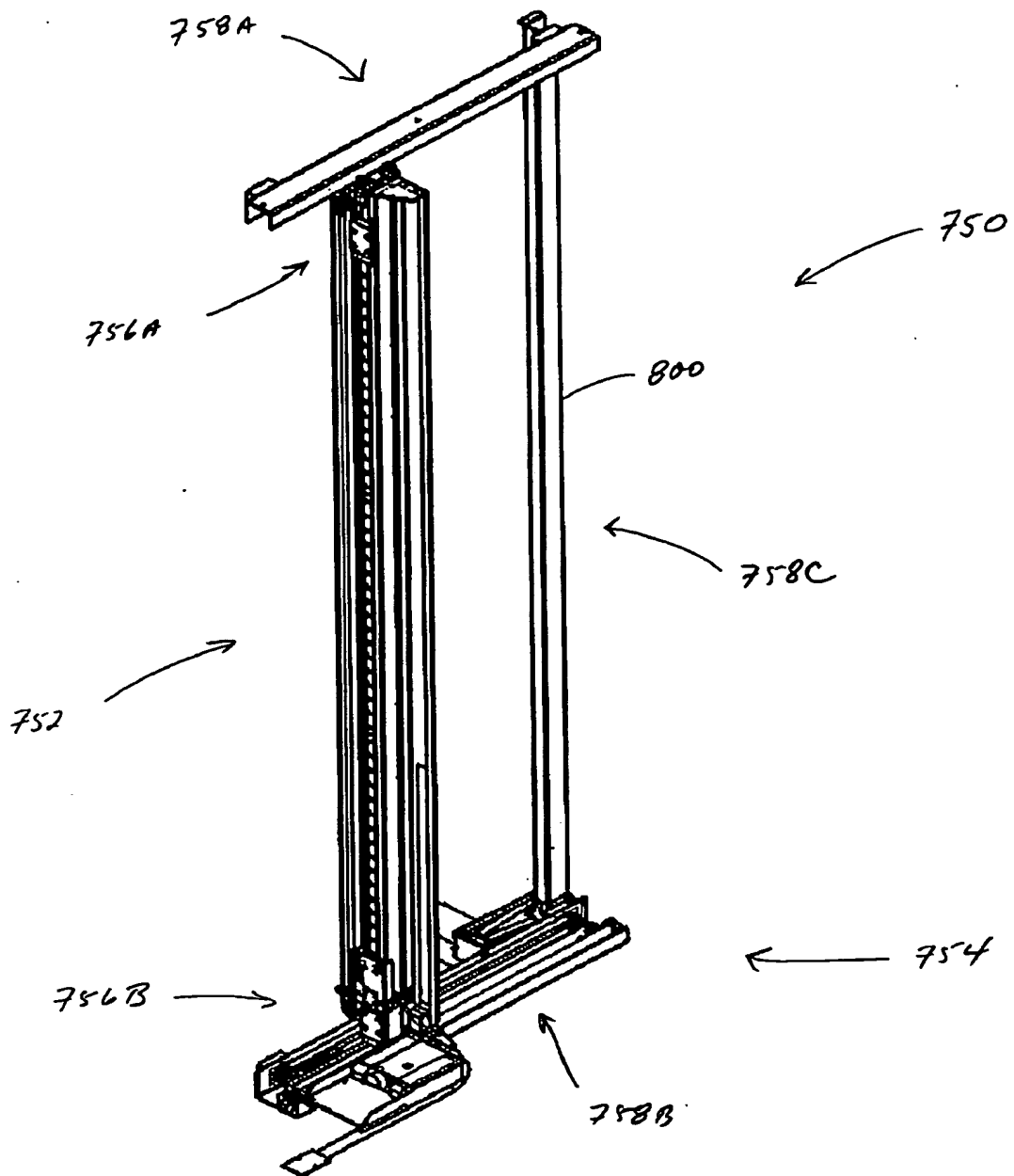


Fig. 29A

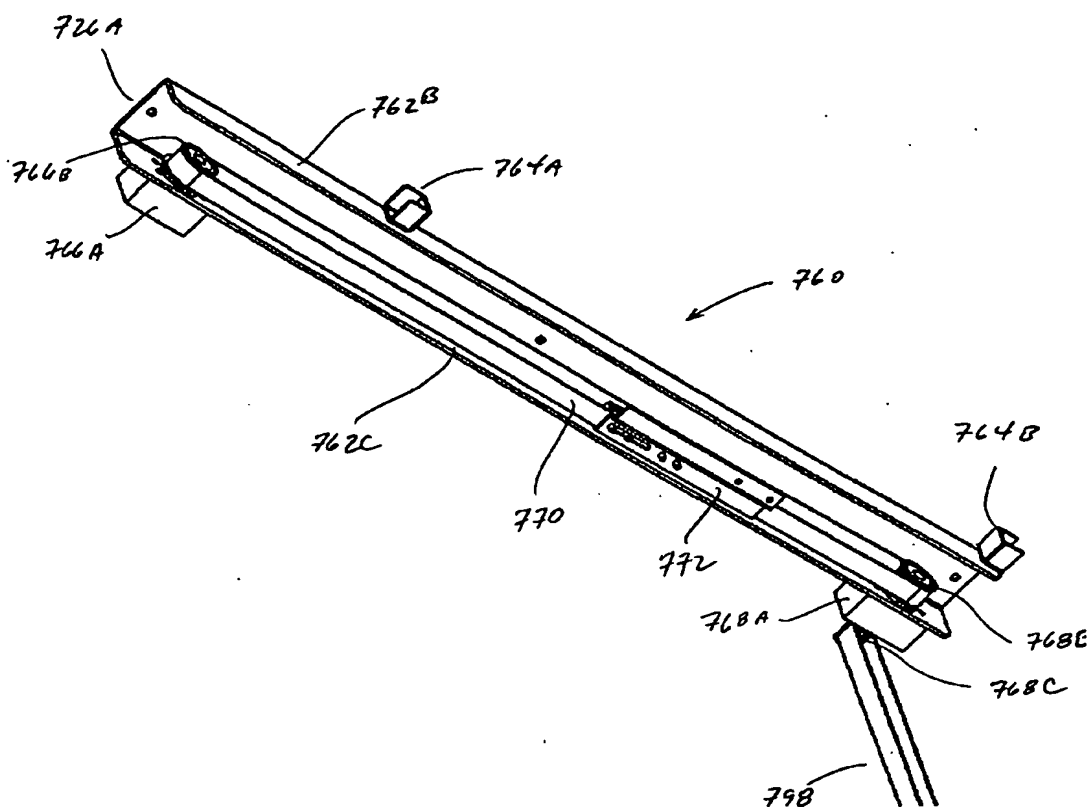
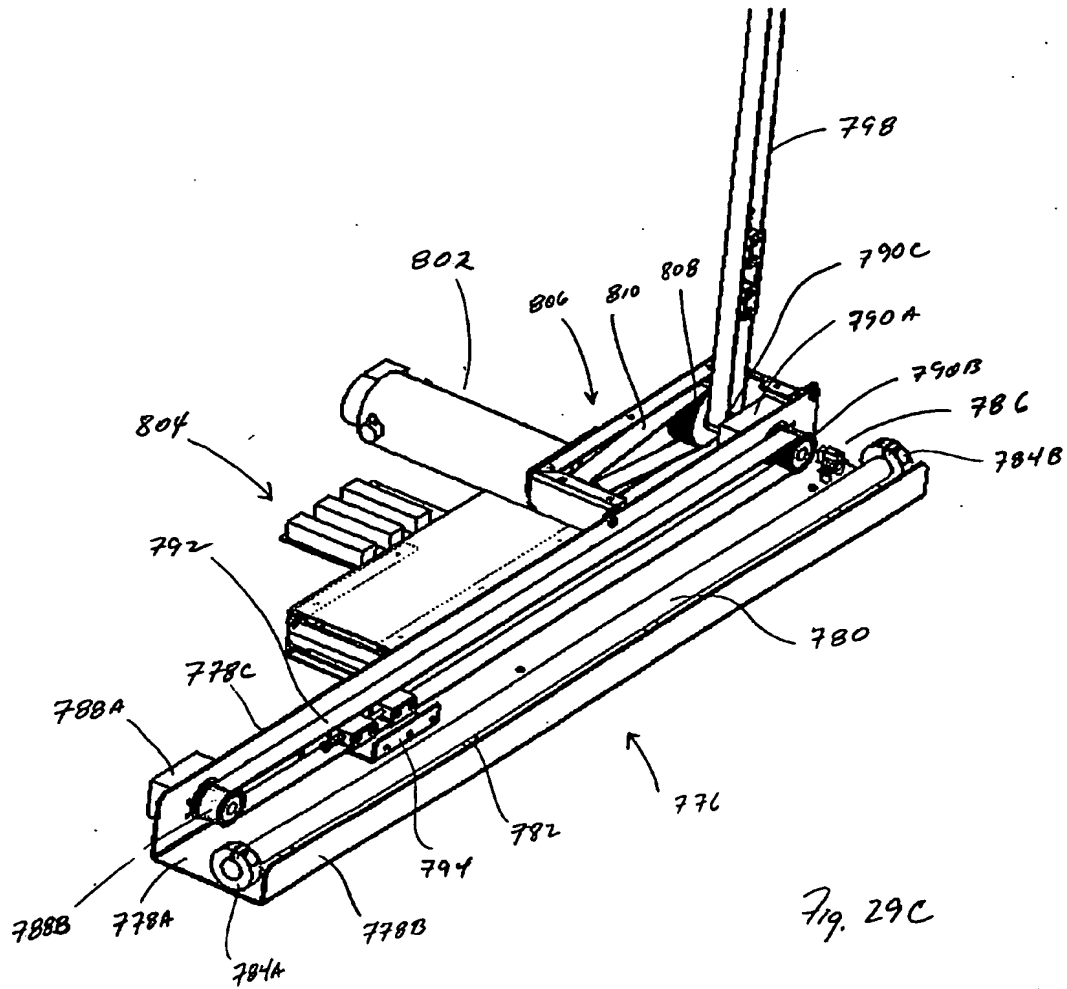


Fig. 29B



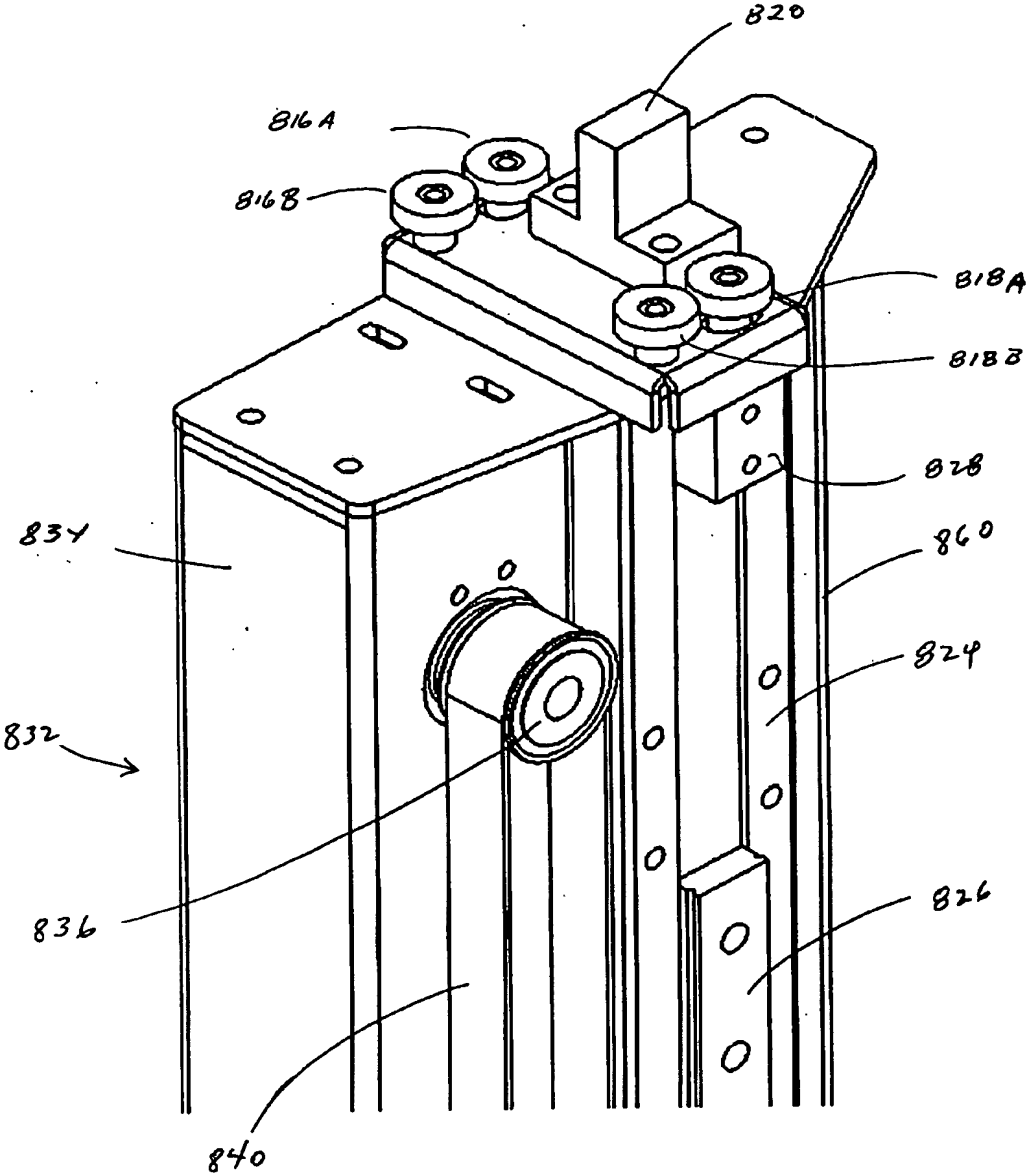


Fig. 29D

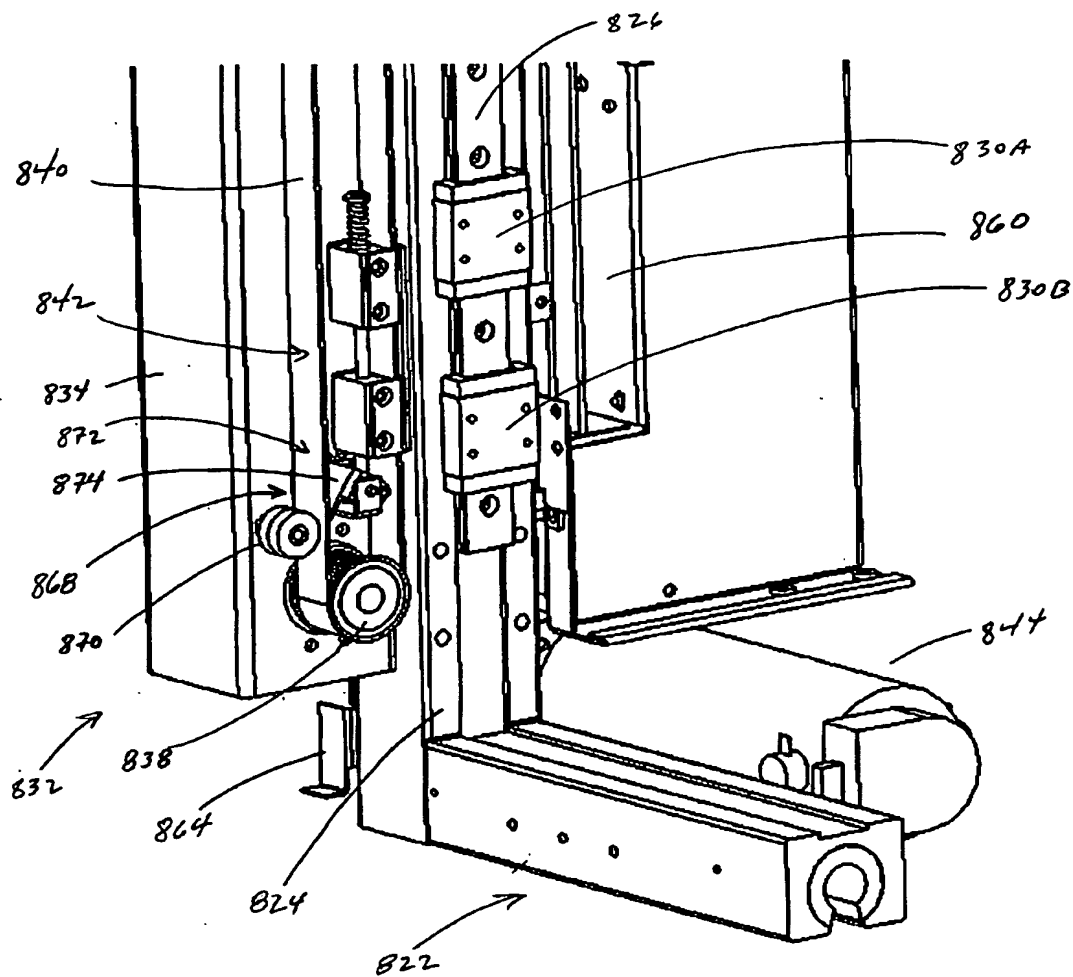


Fig. 29E

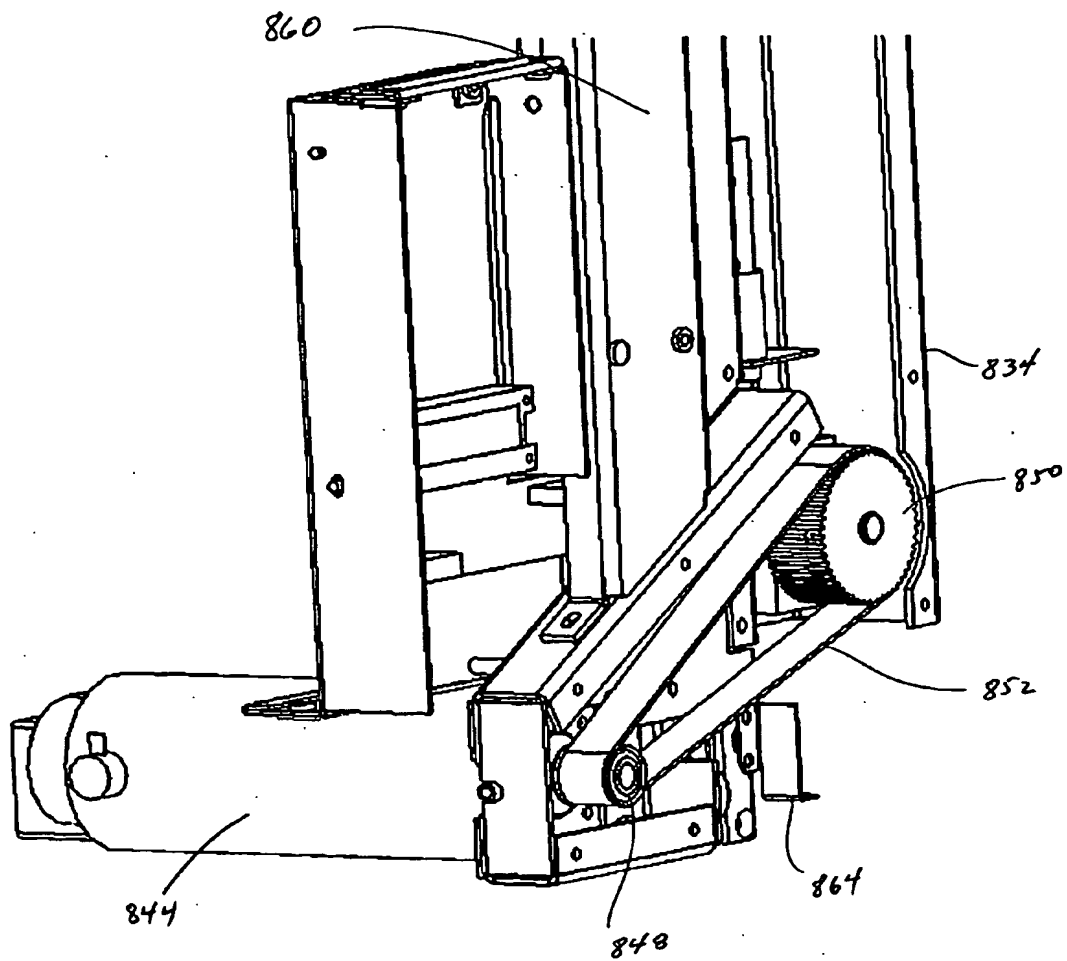


Fig. 29F

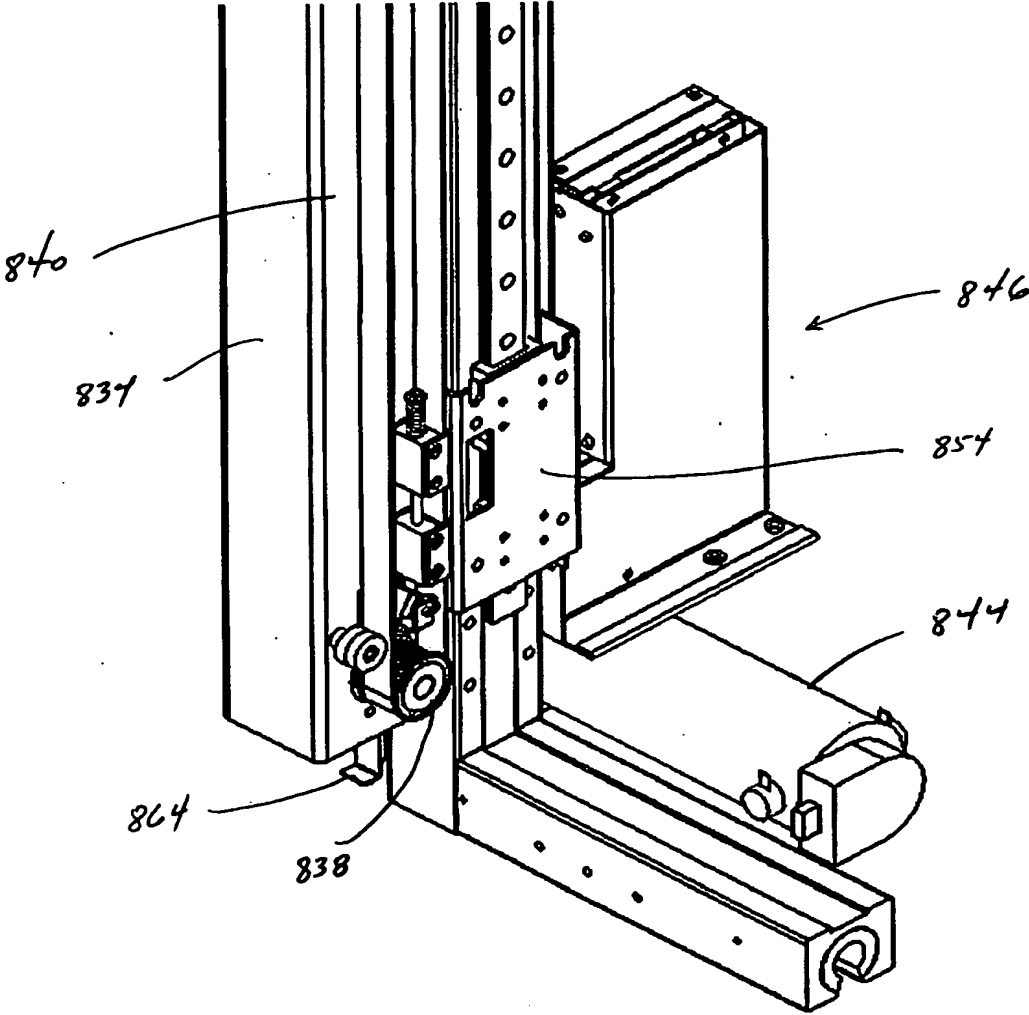


Fig. 29G

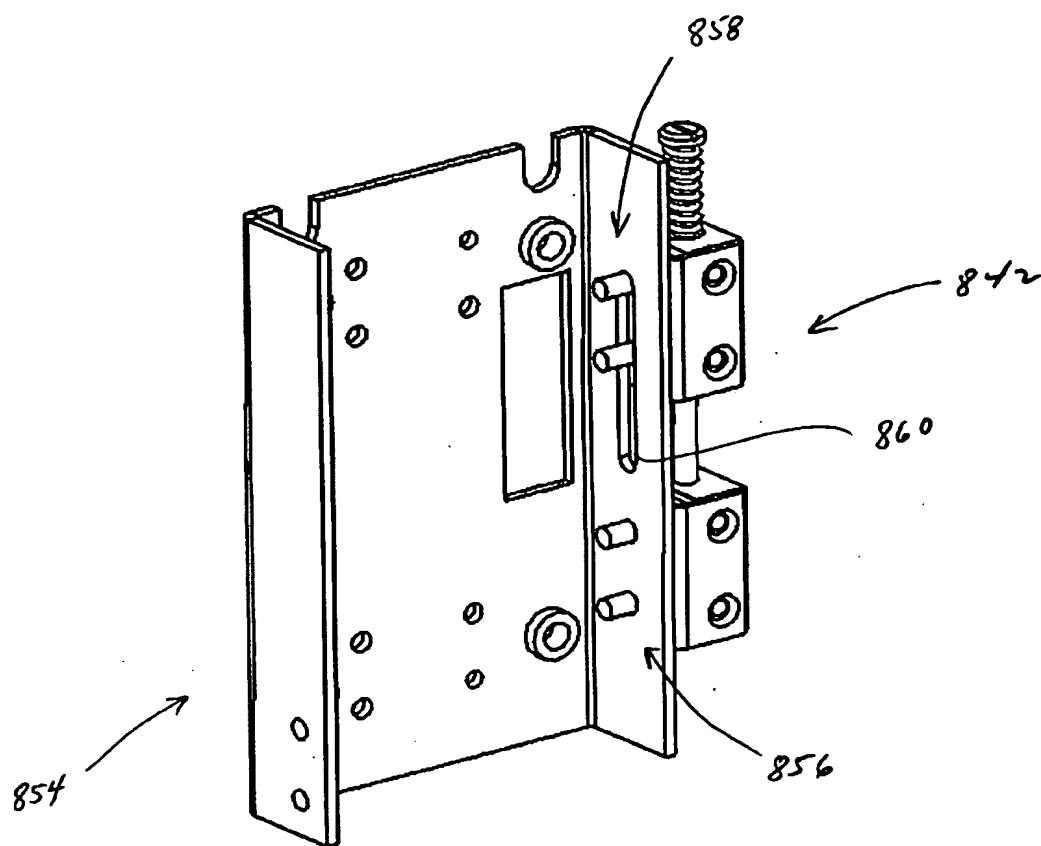
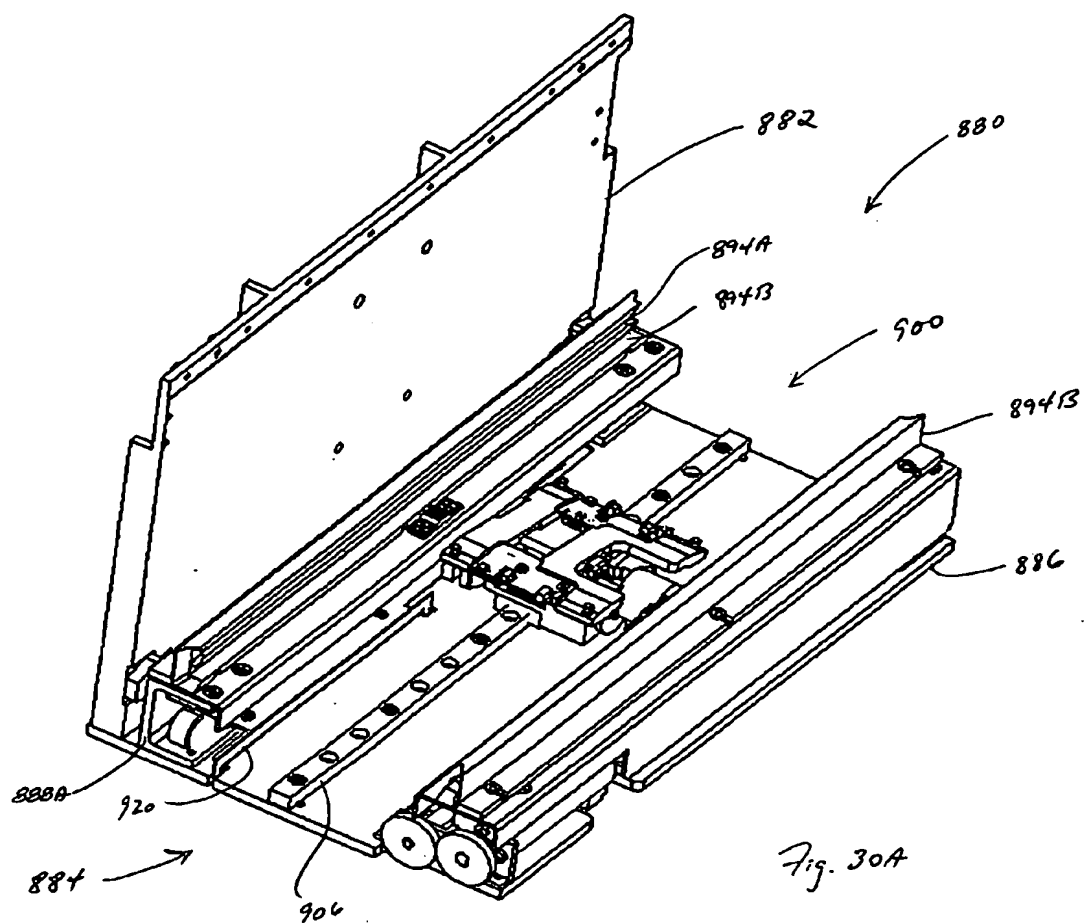


Fig. 294



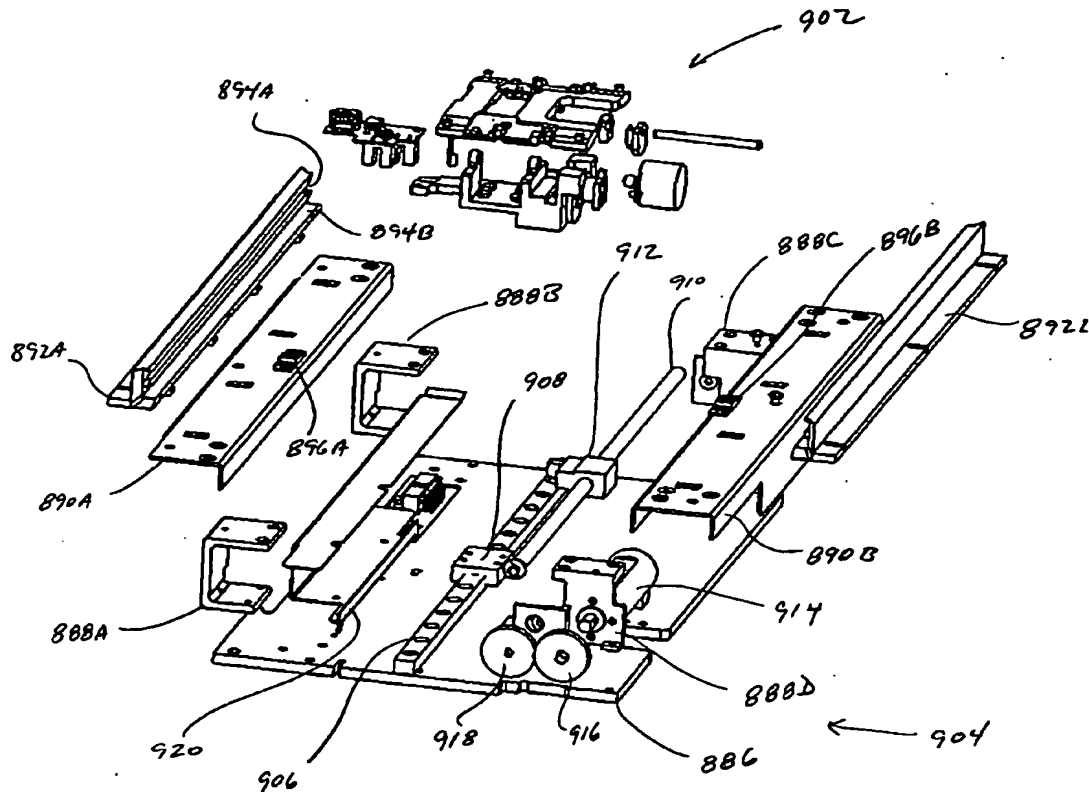
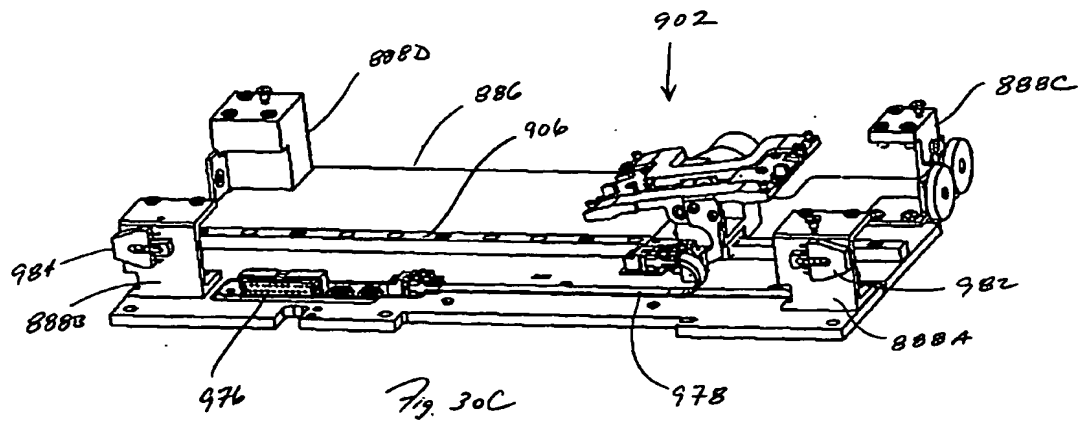


Fig. 308



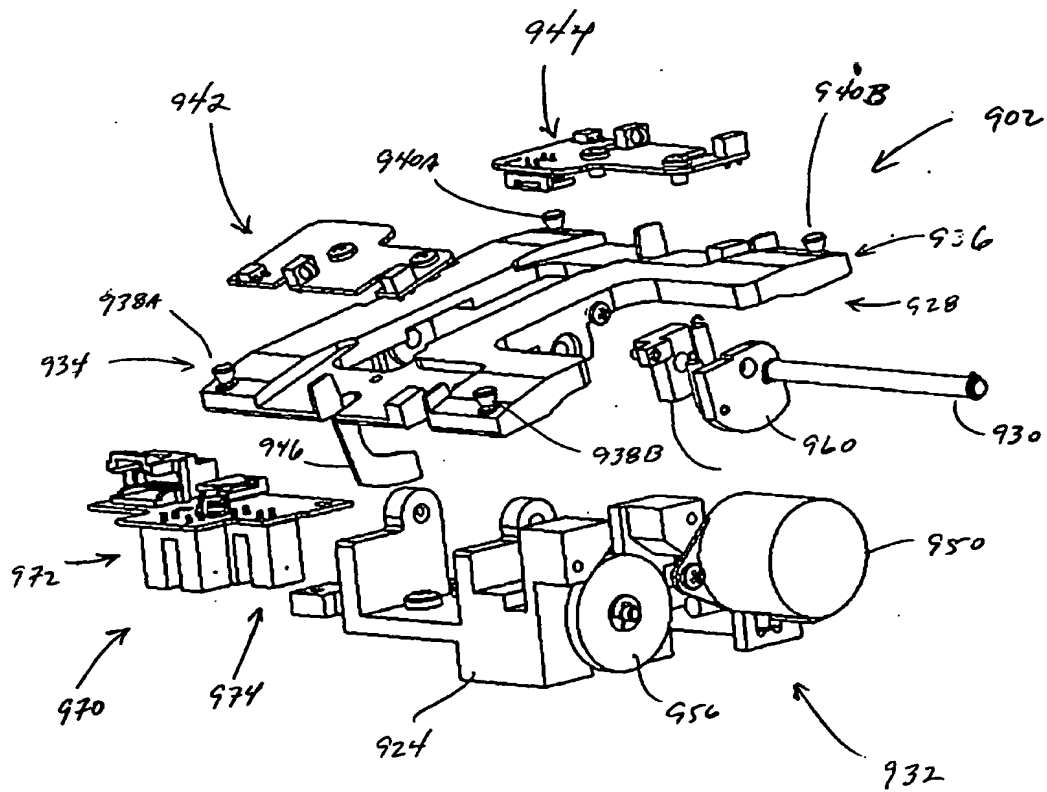


Fig. 30D

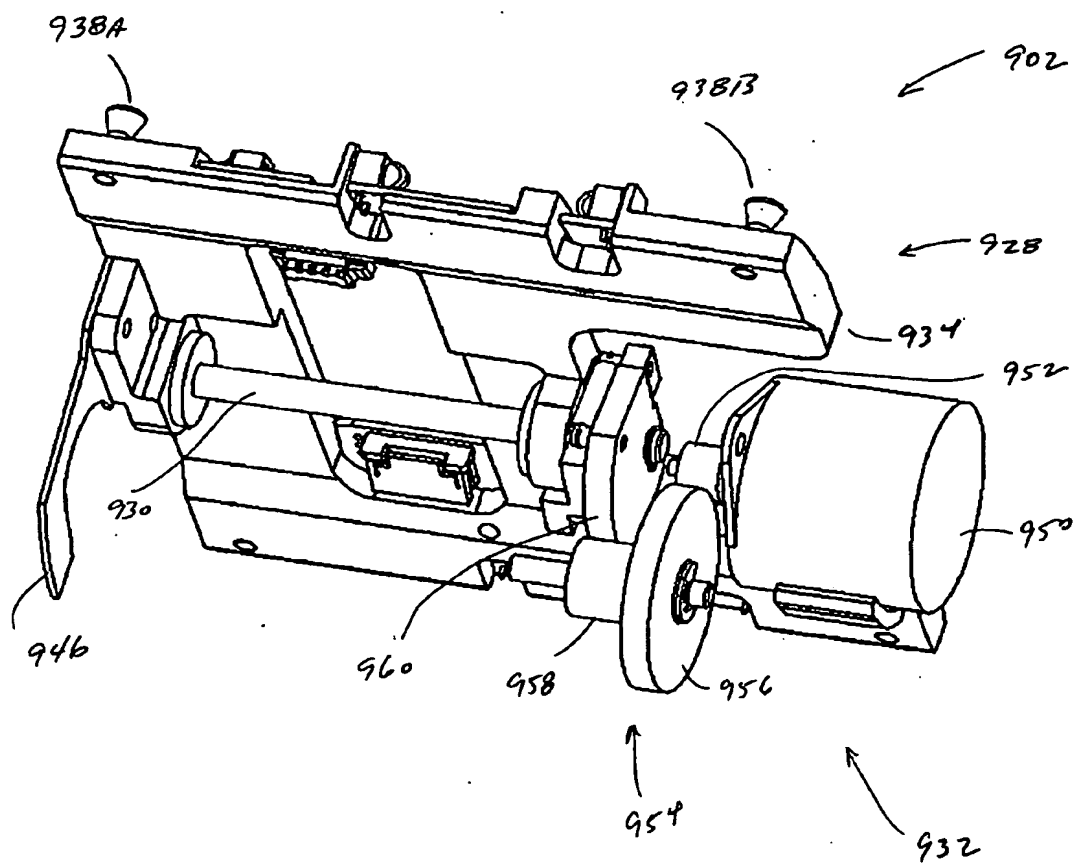
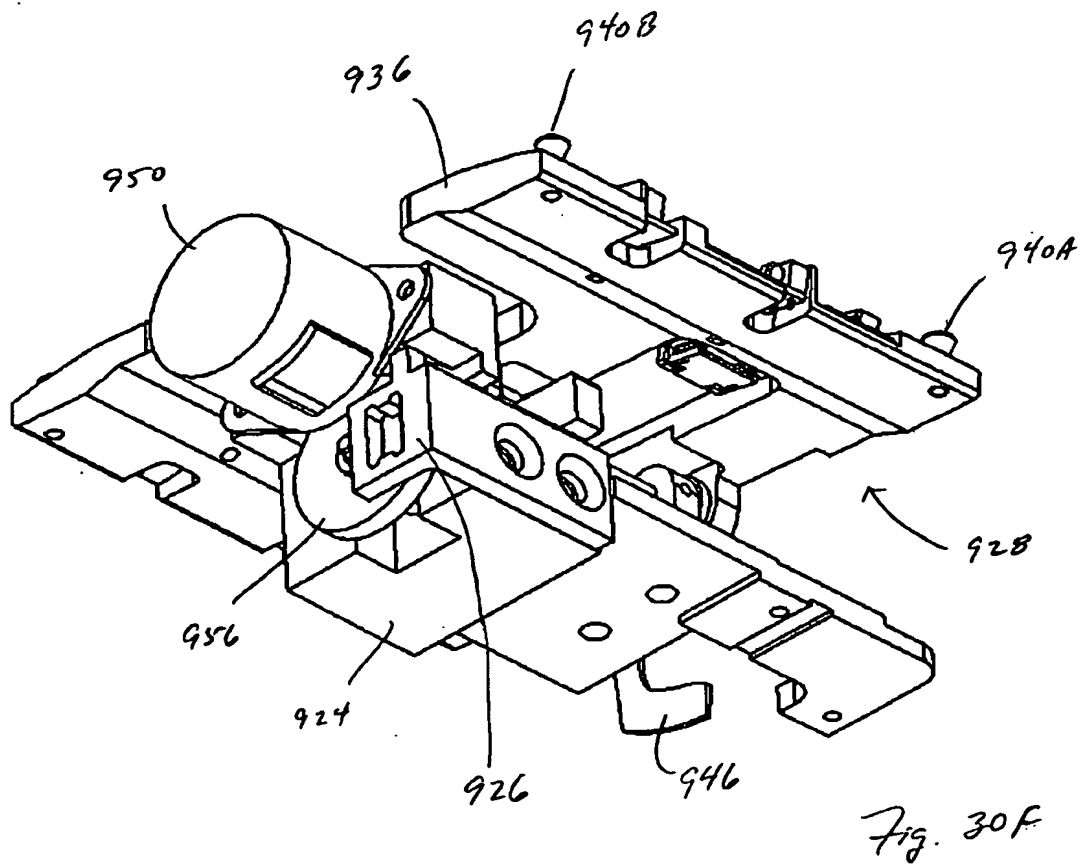


Fig. 30E



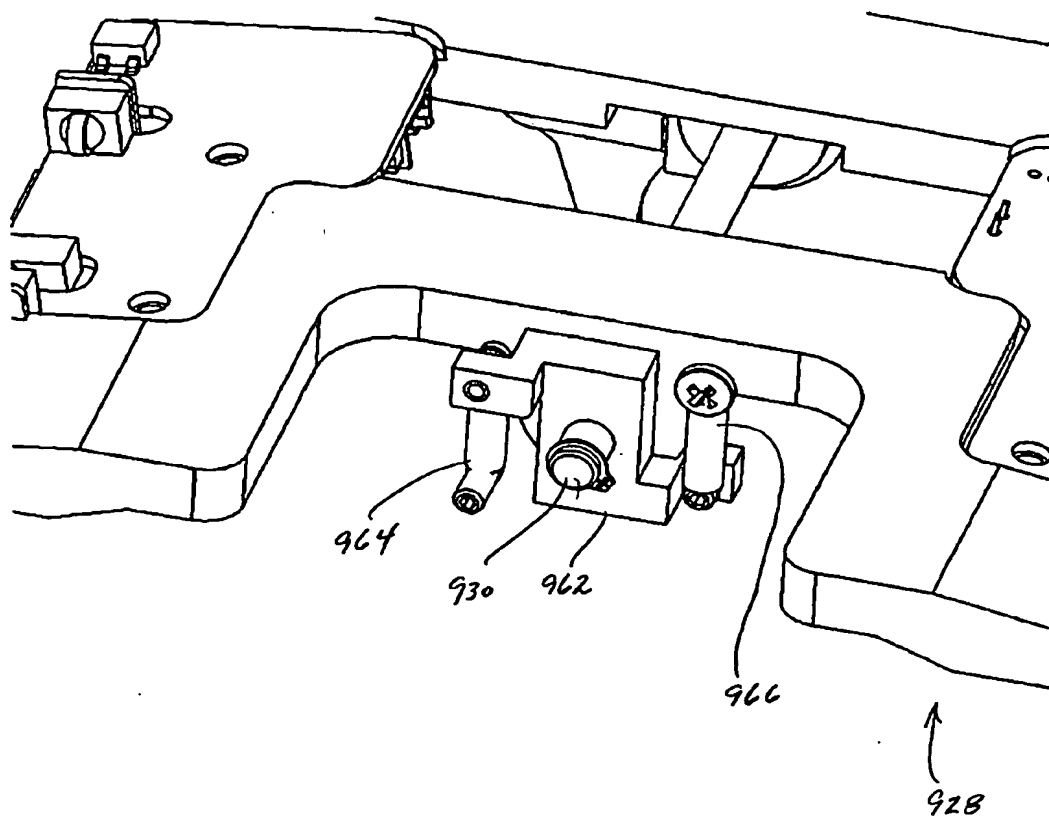
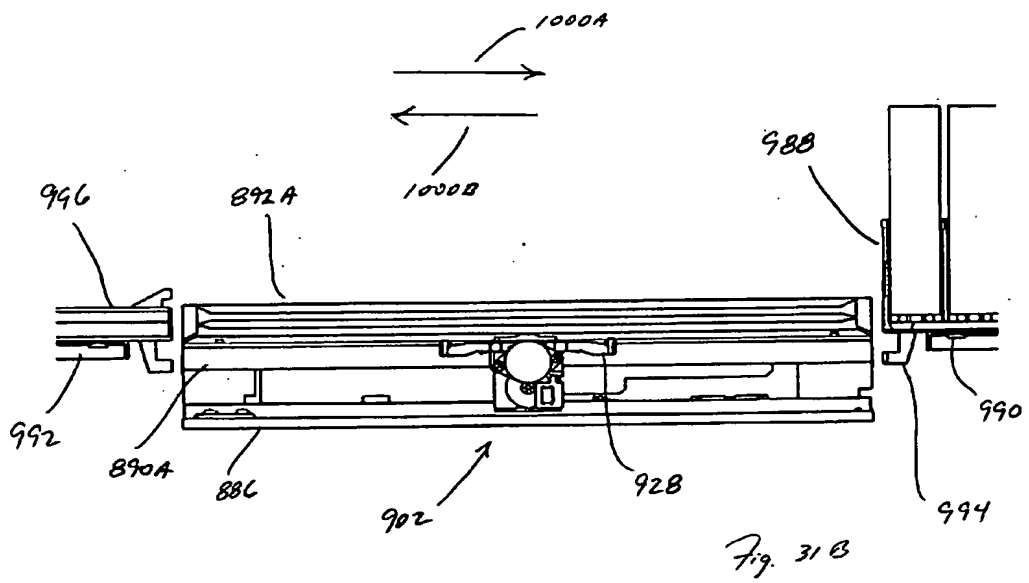
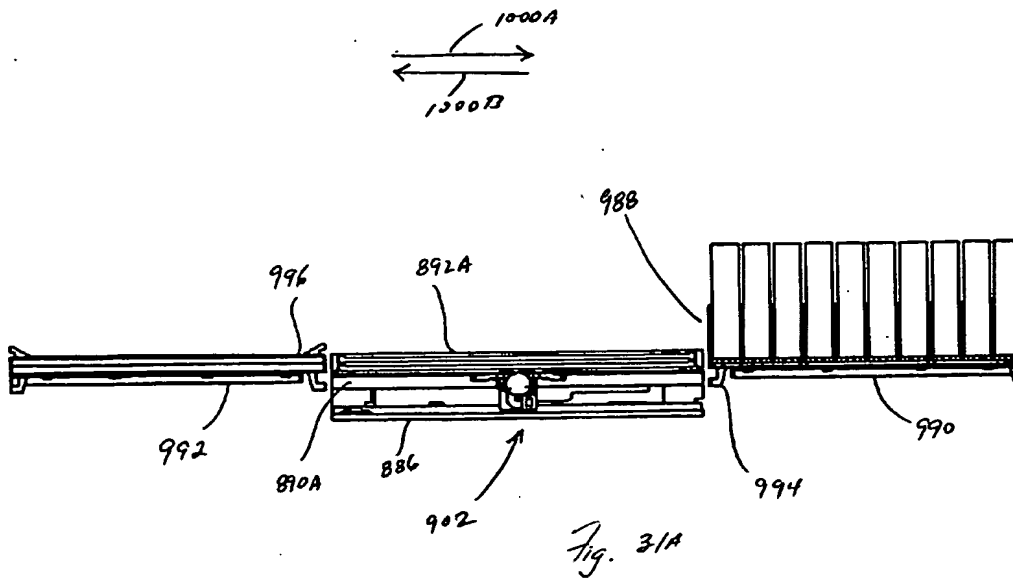
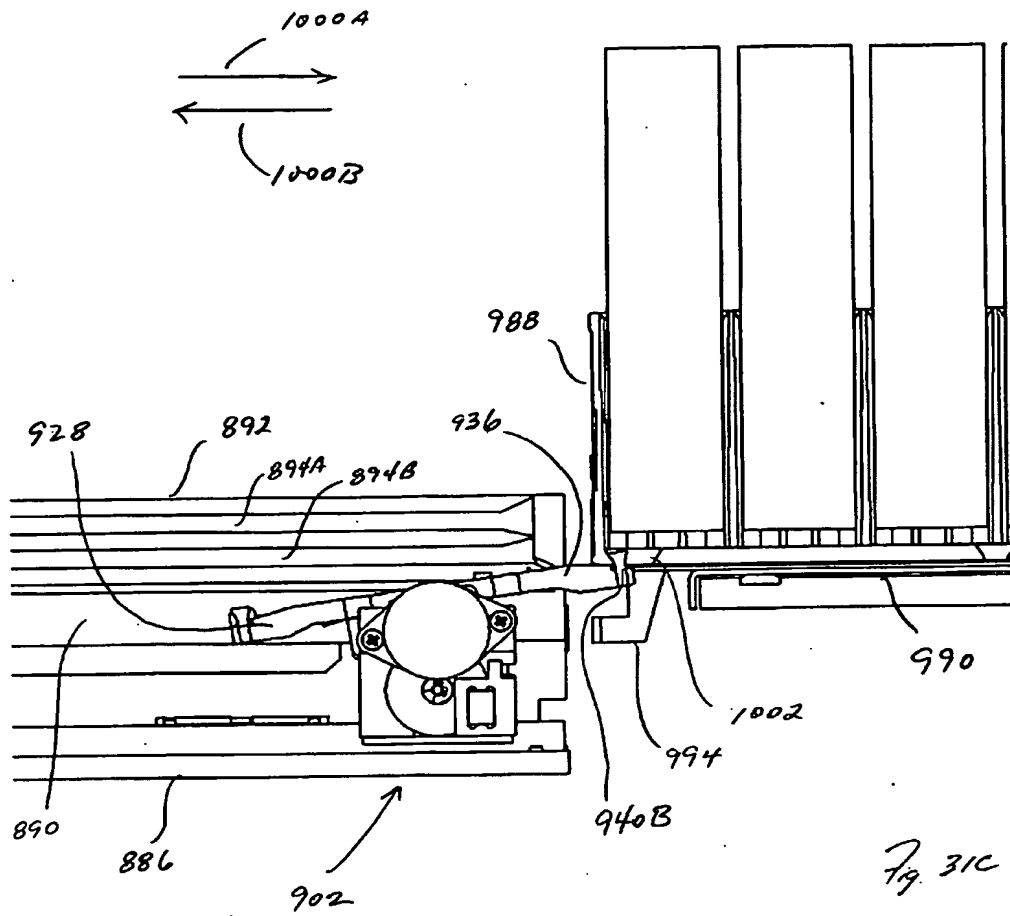
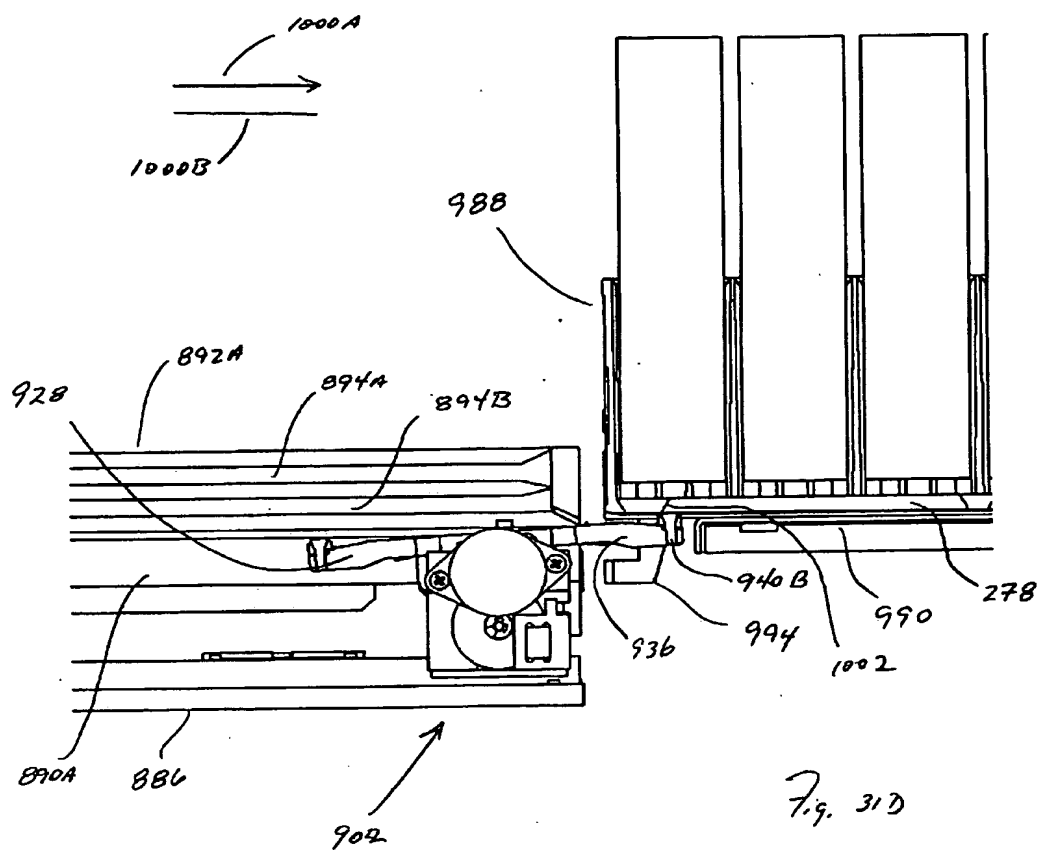
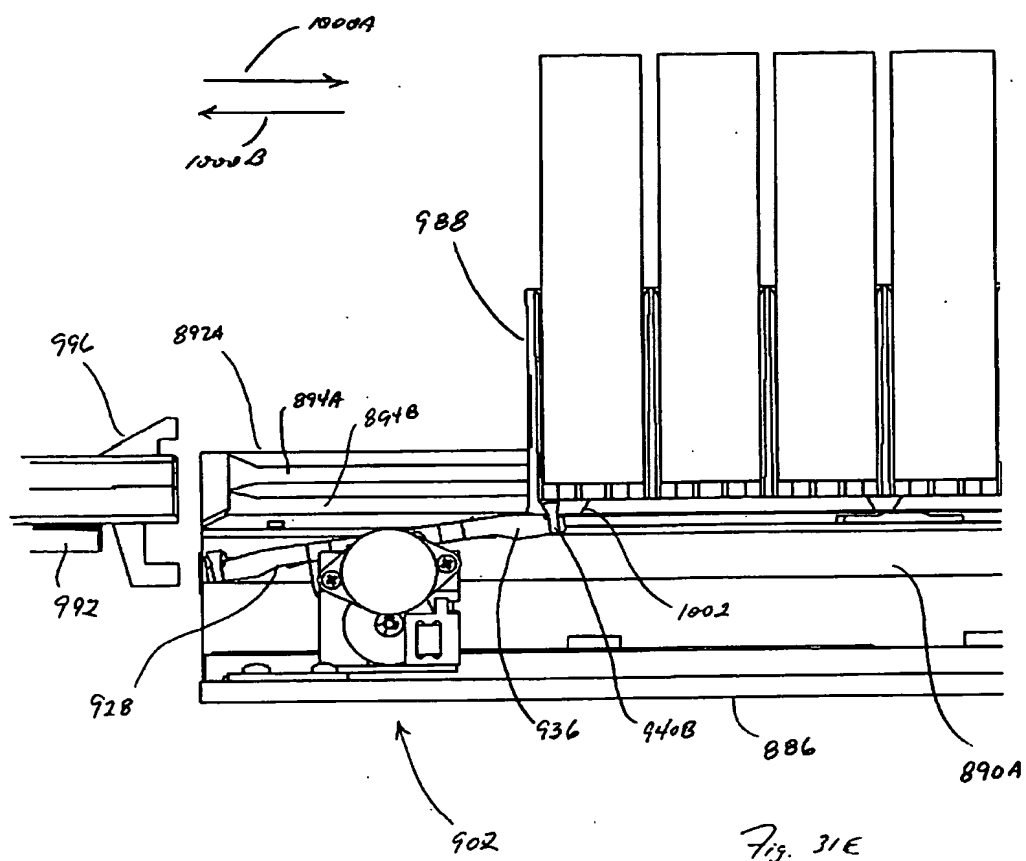


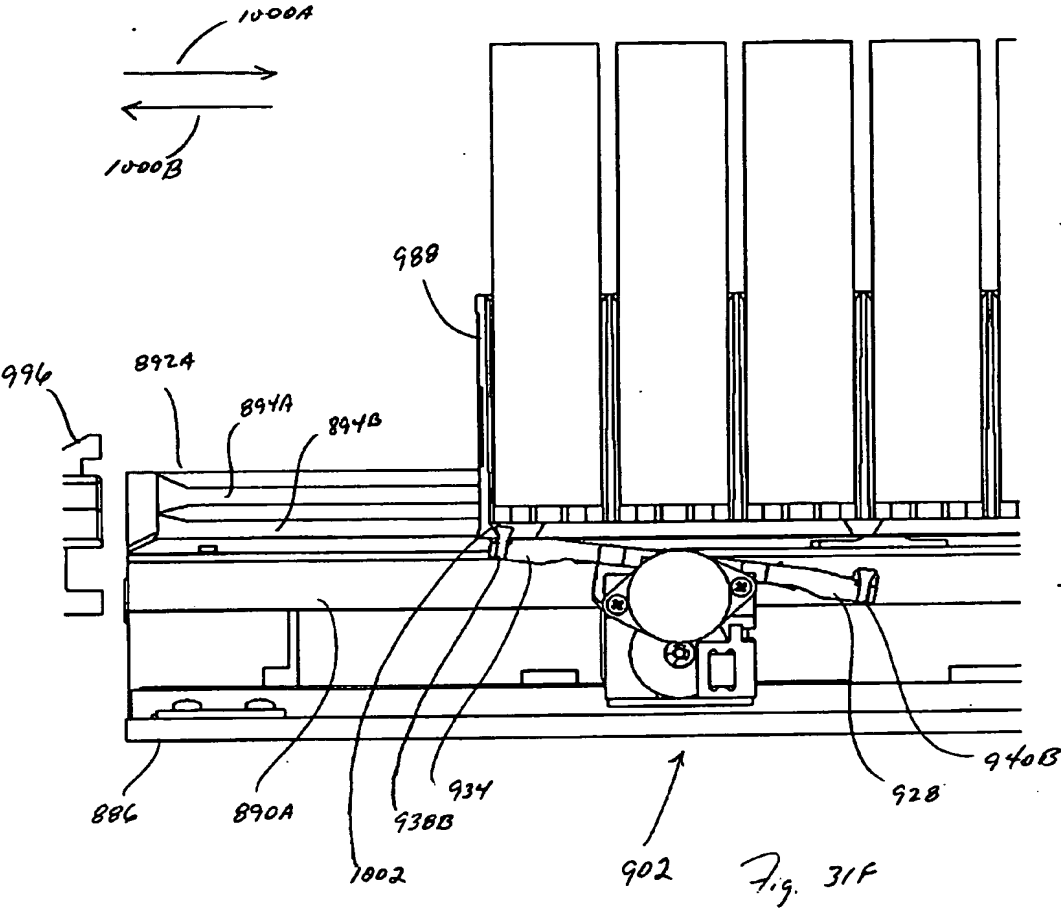
Fig. 30G

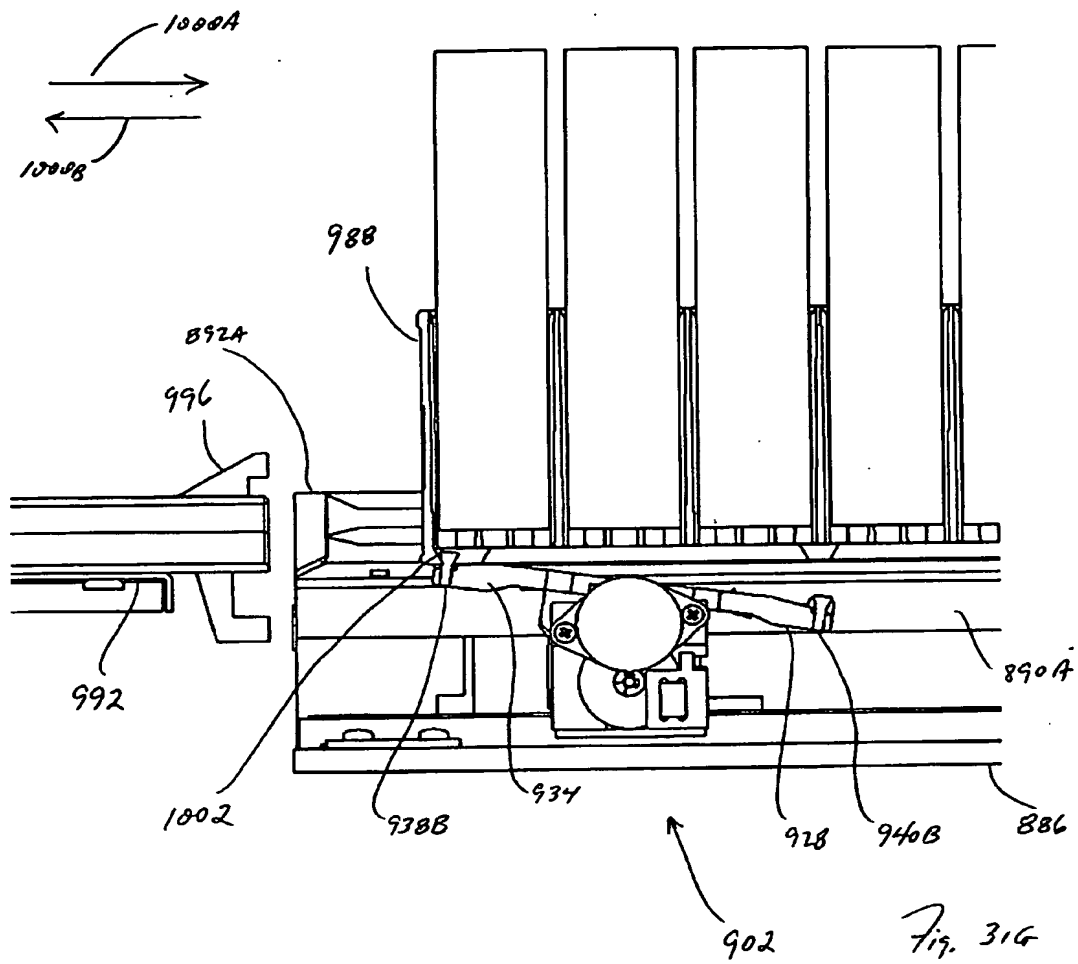


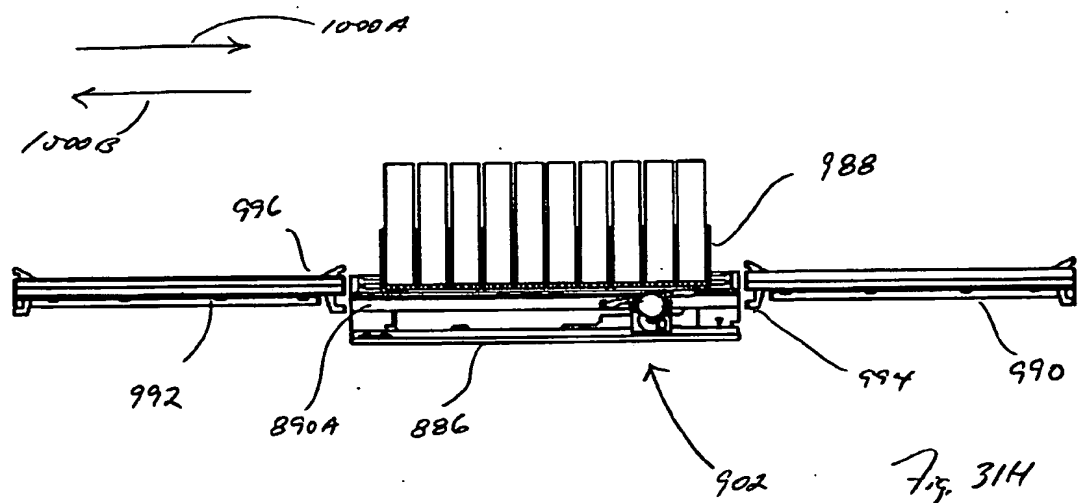


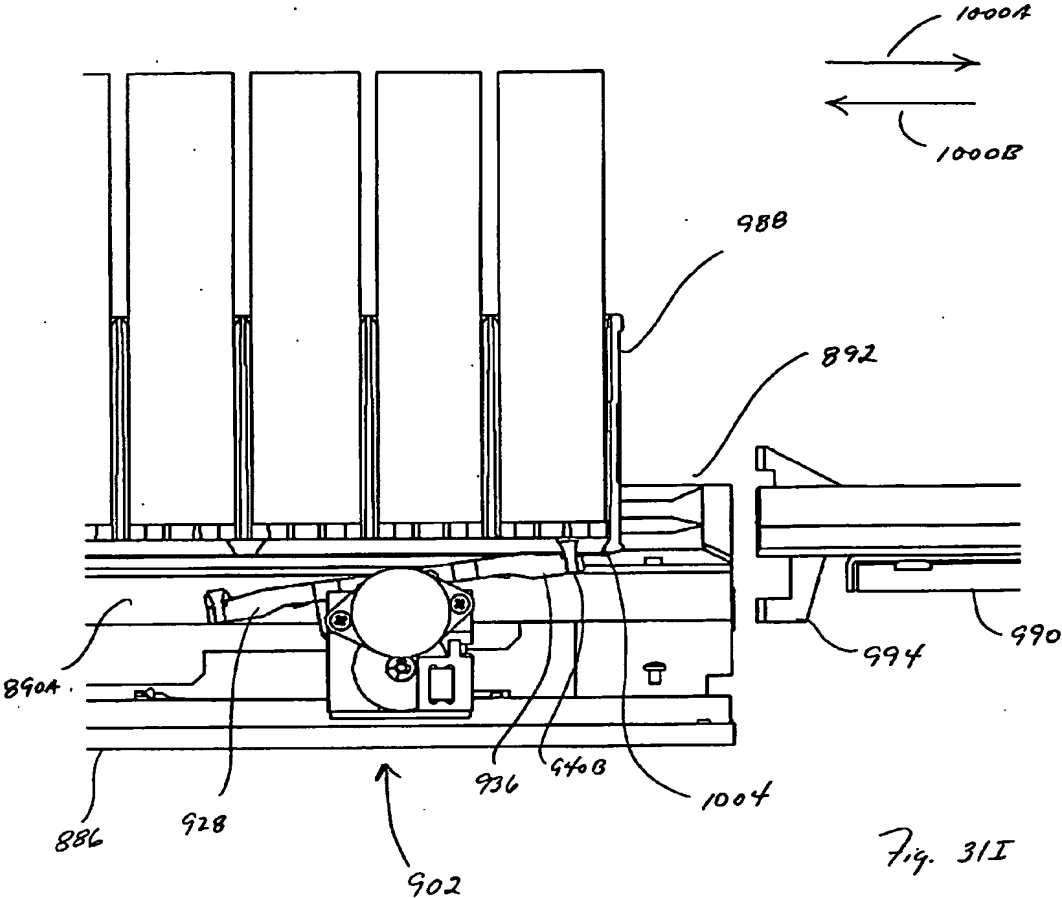


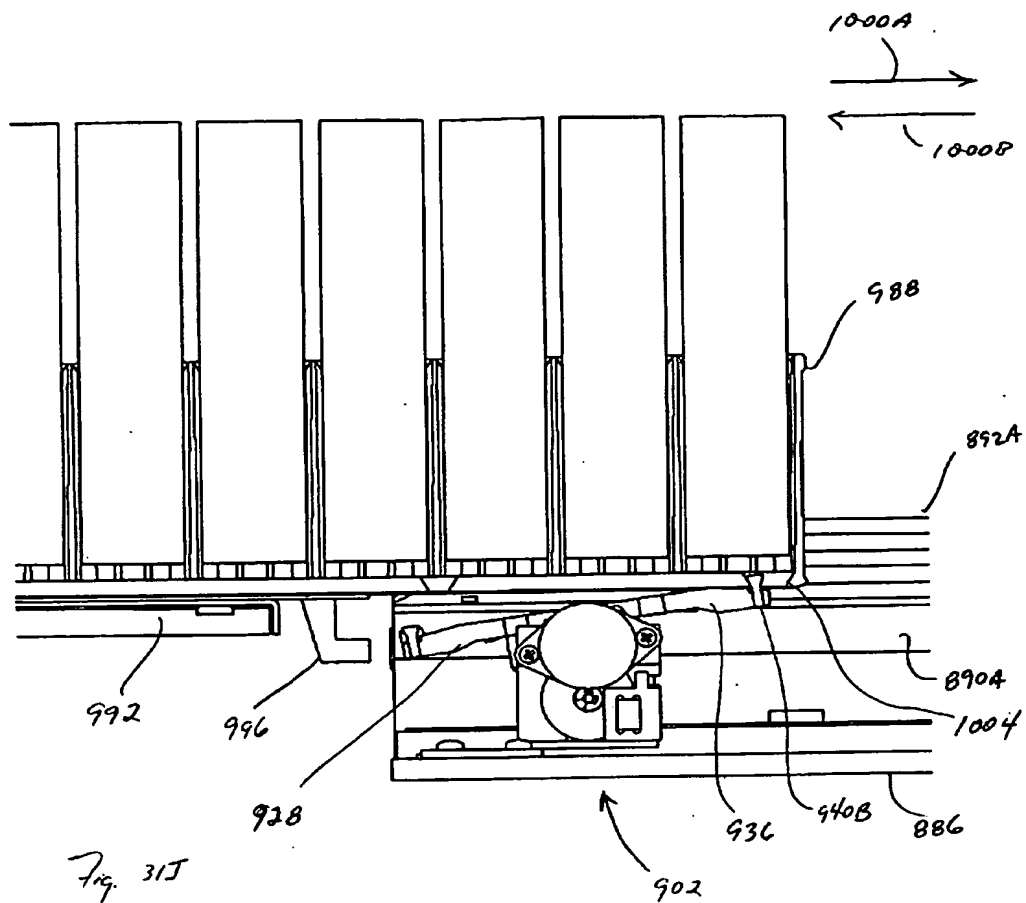


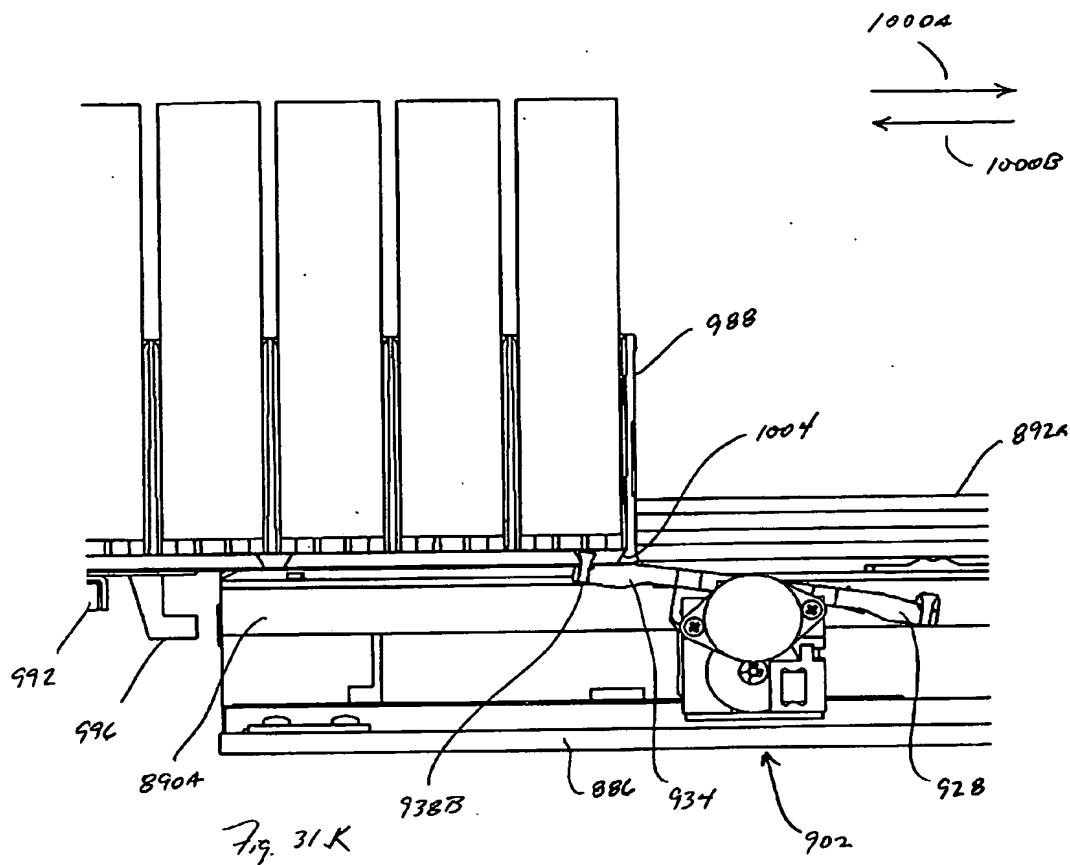


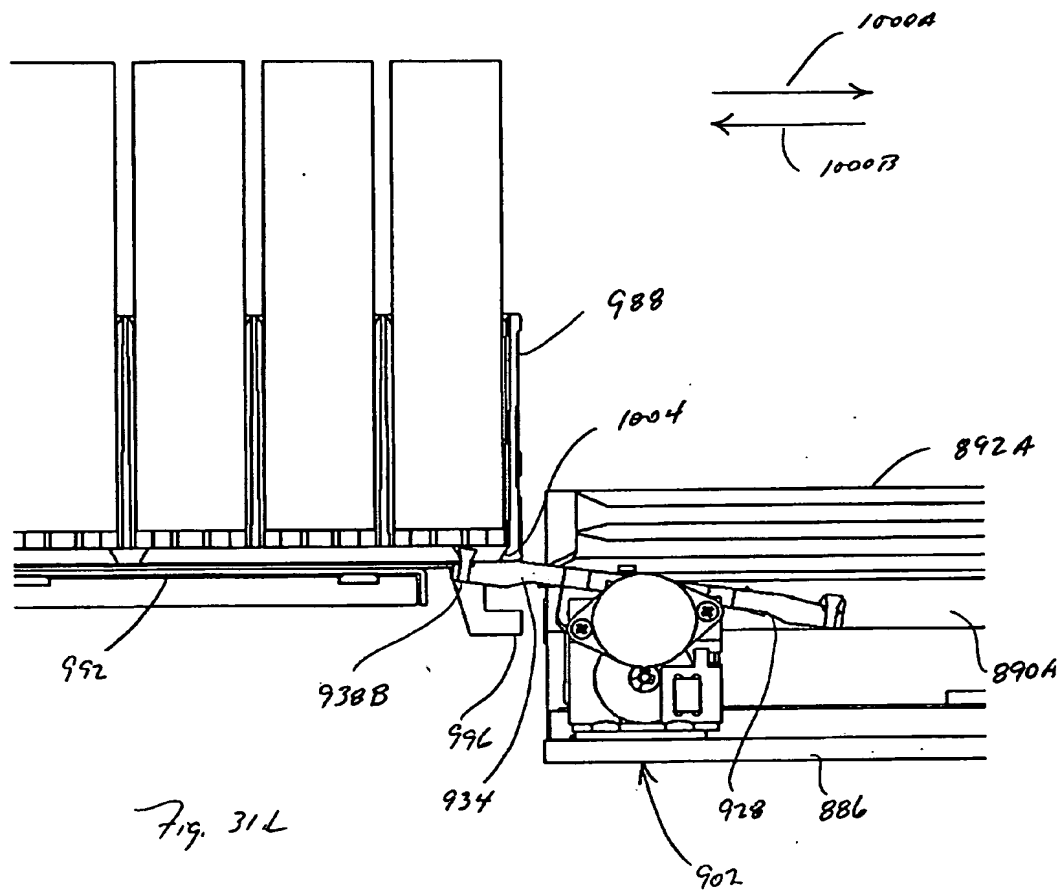


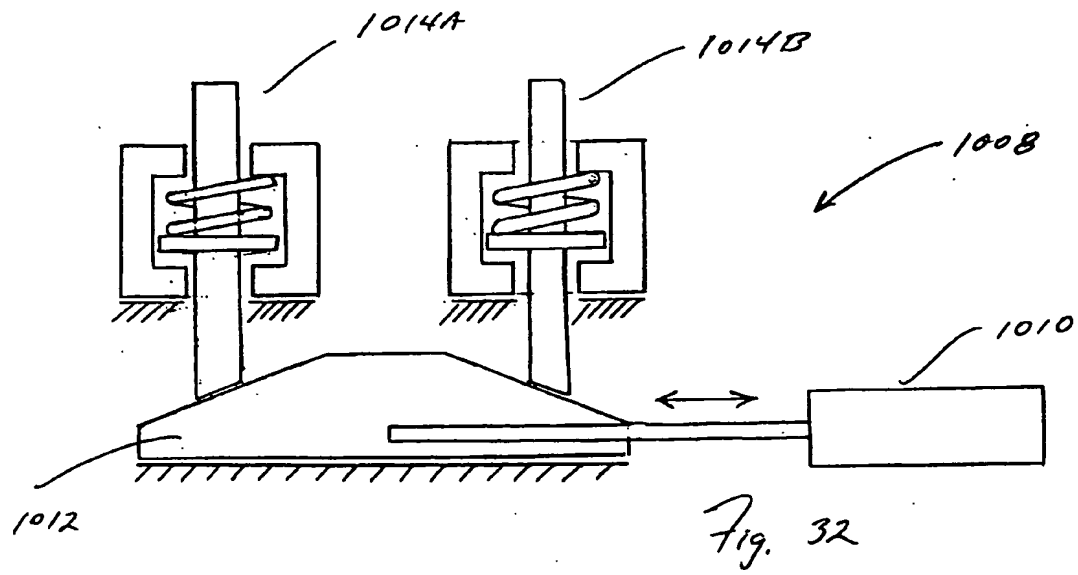












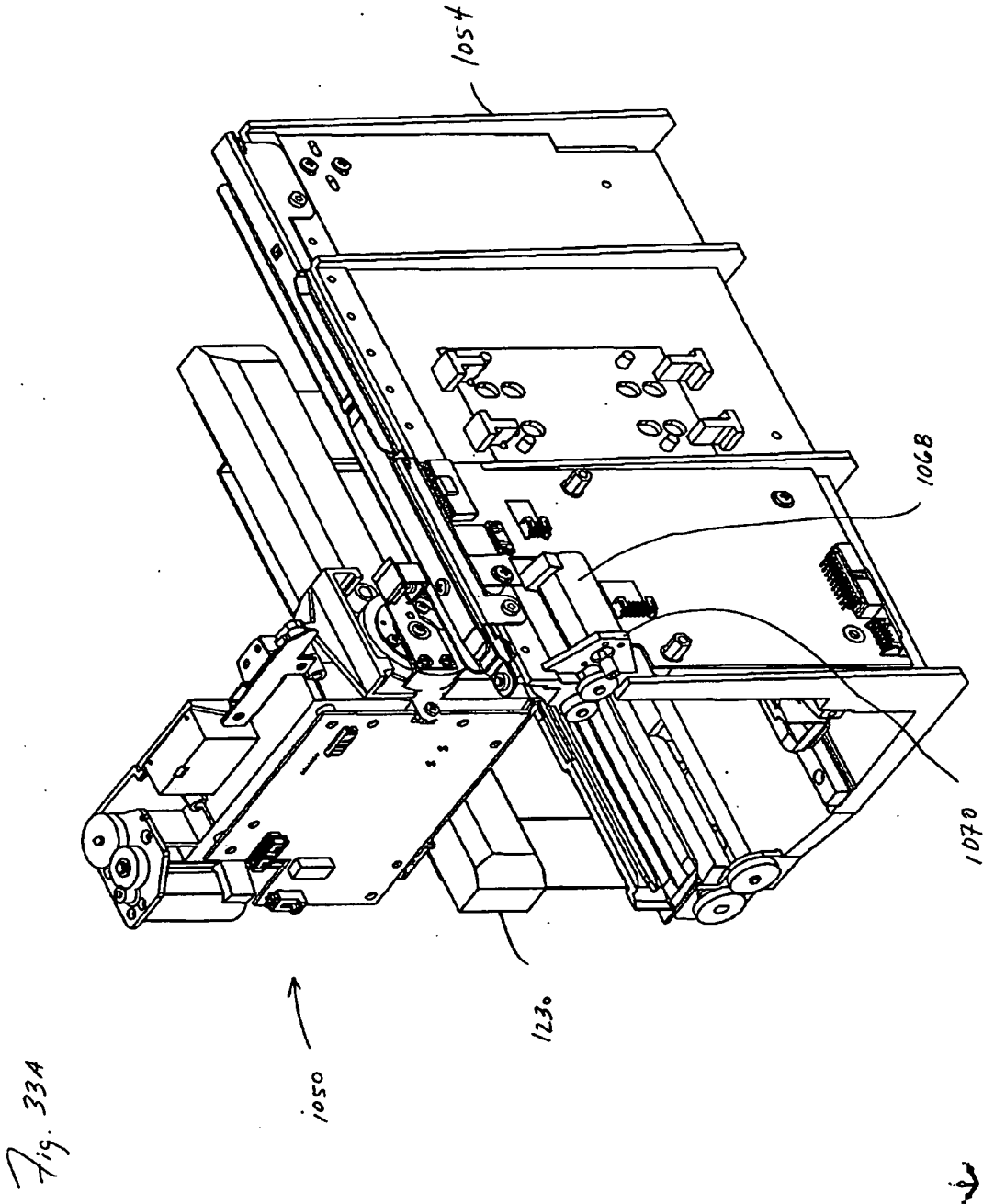
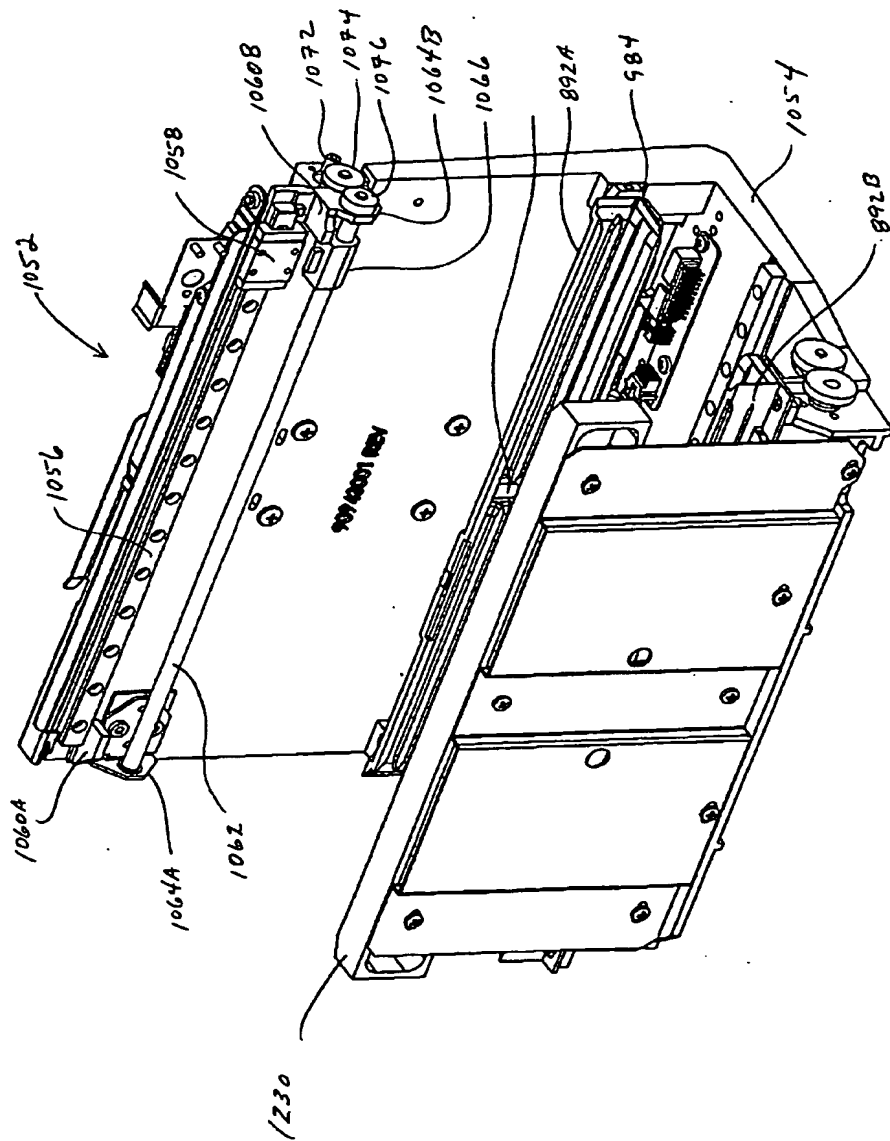
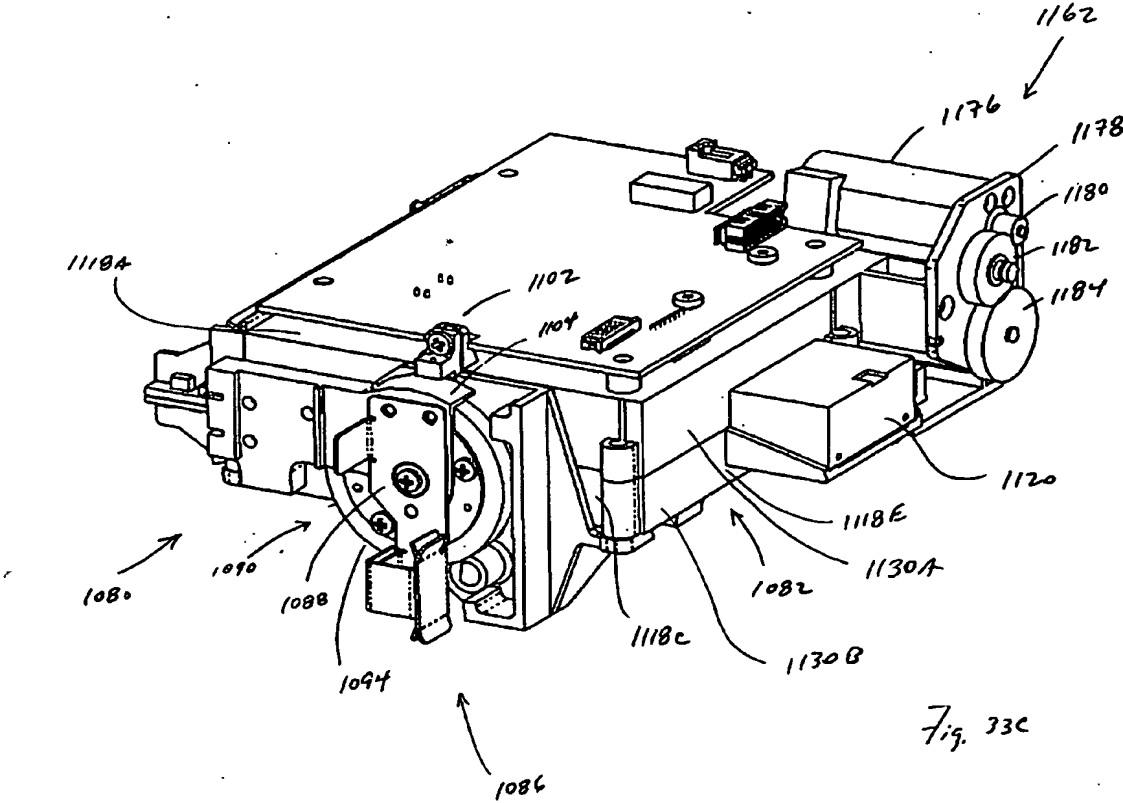
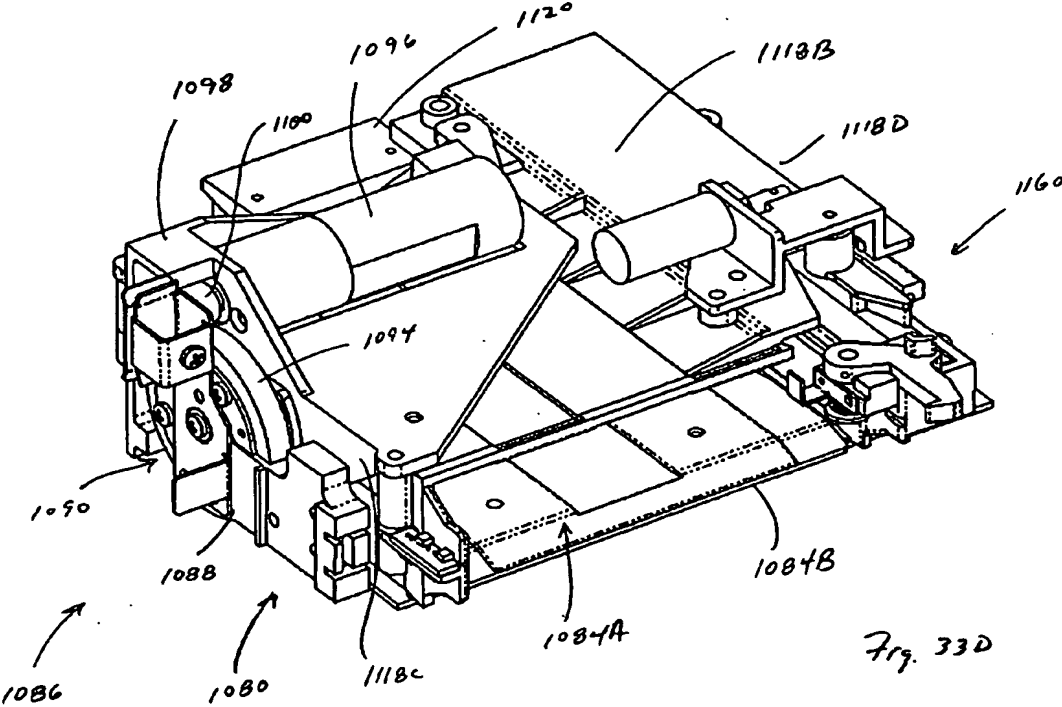
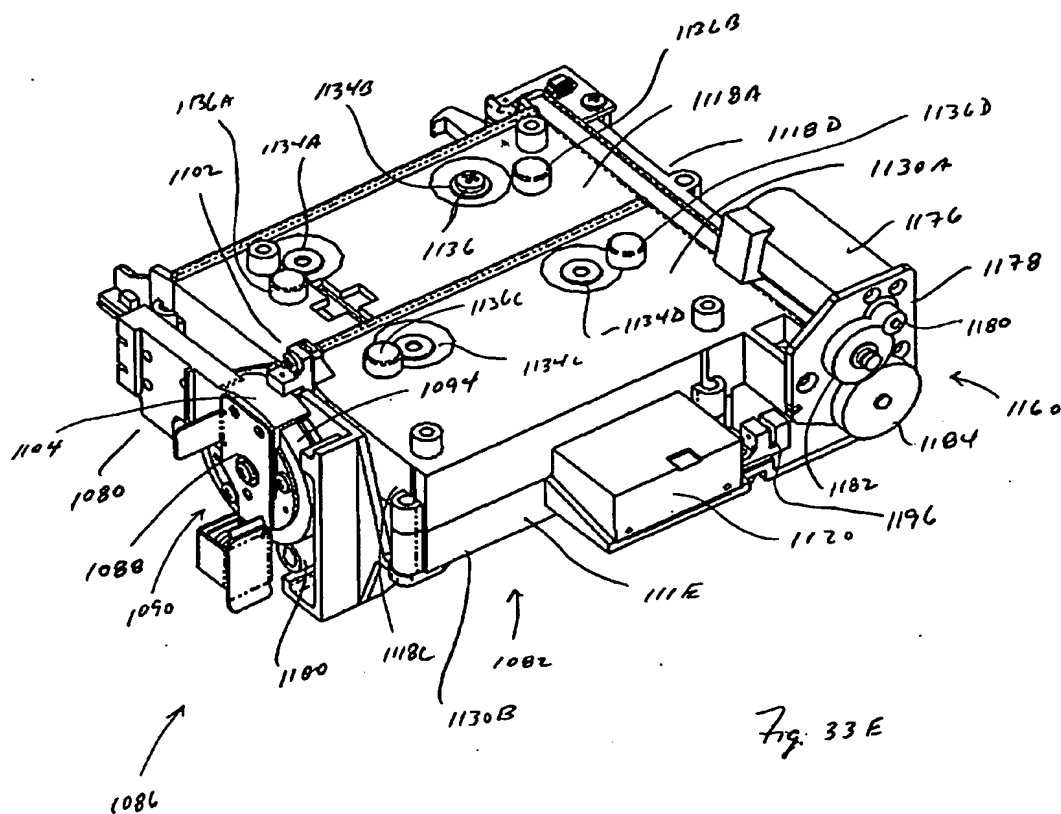


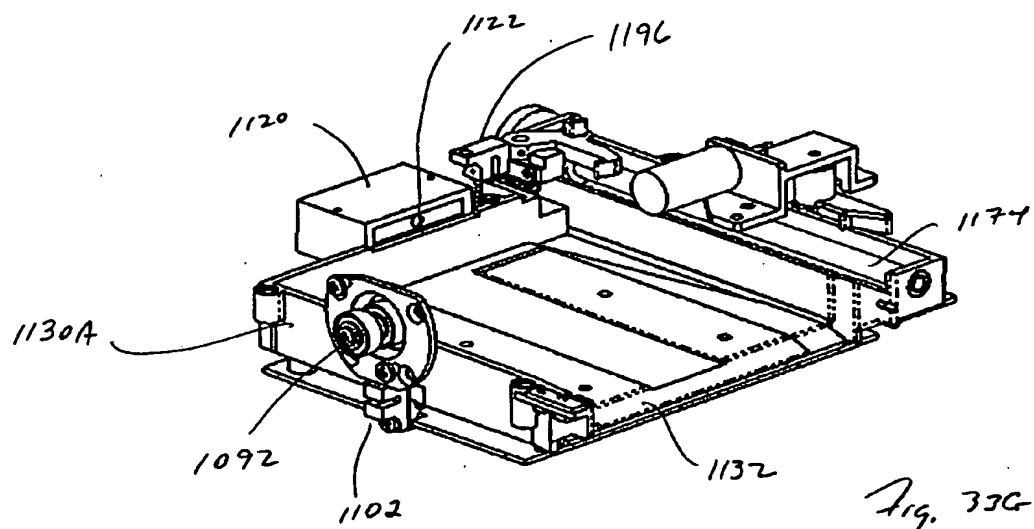
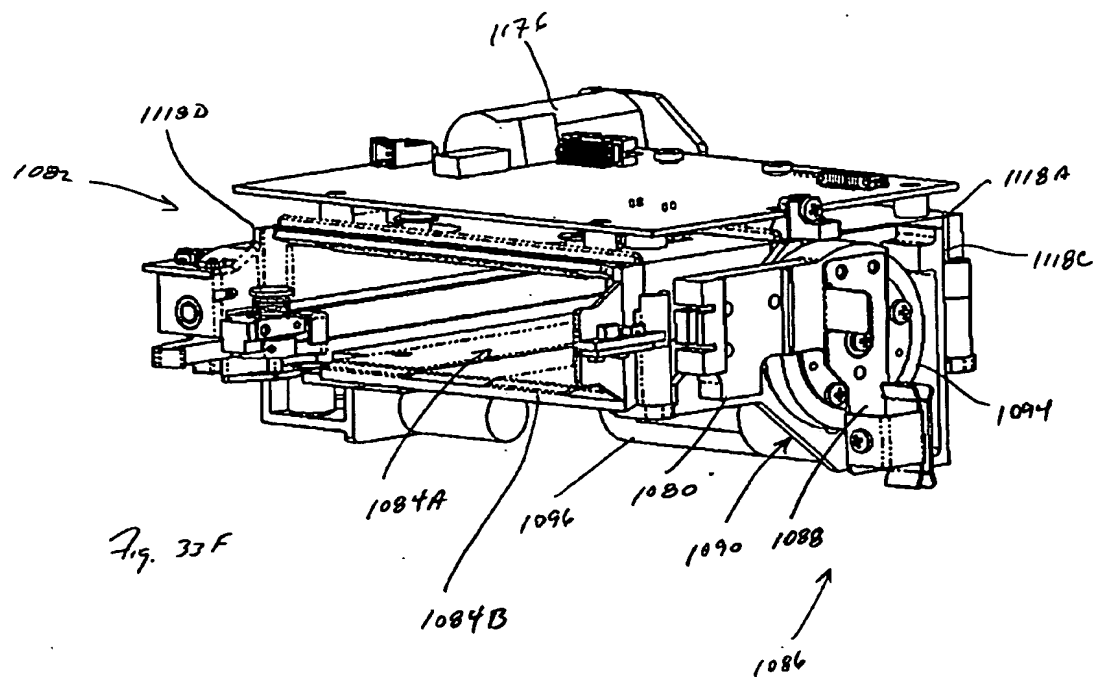
Fig. 33B

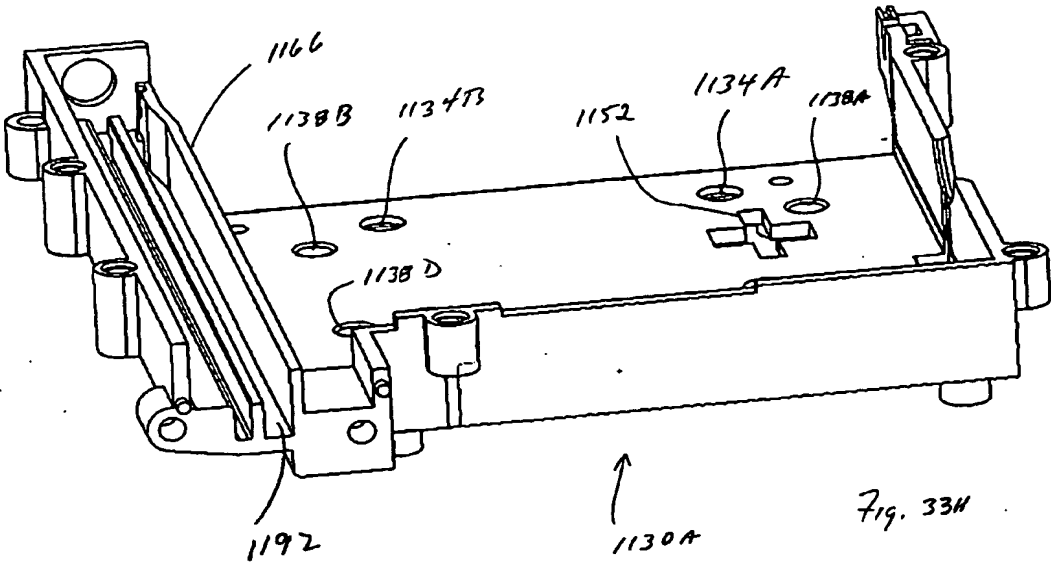


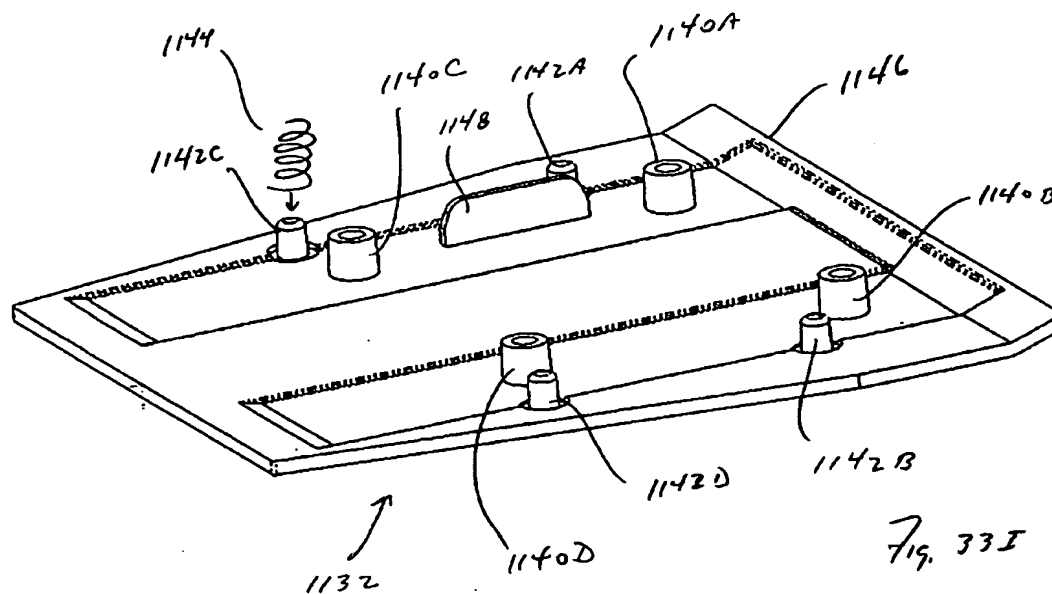


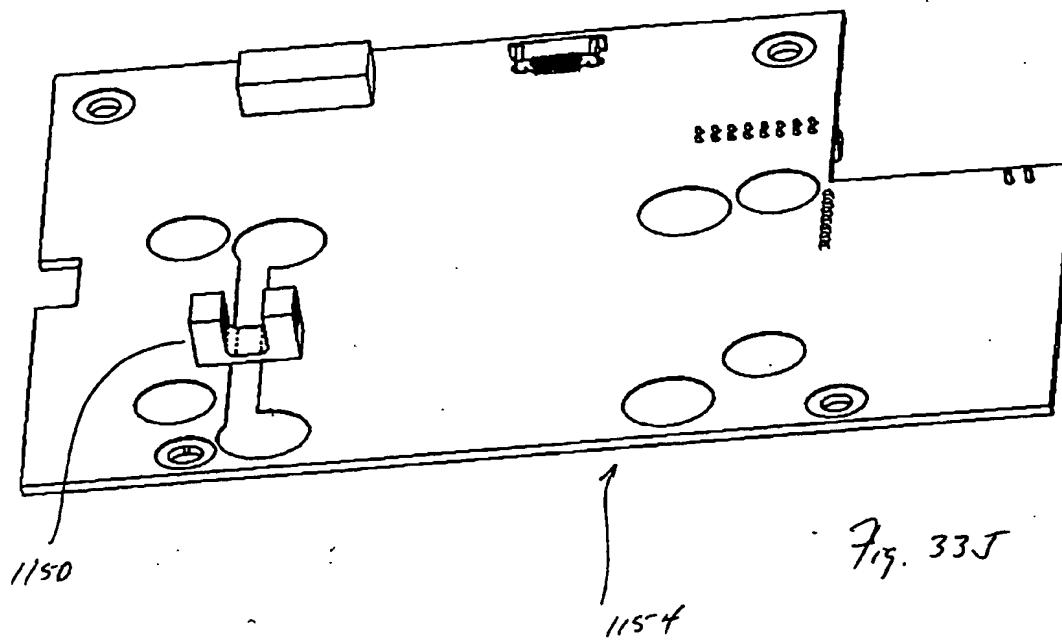


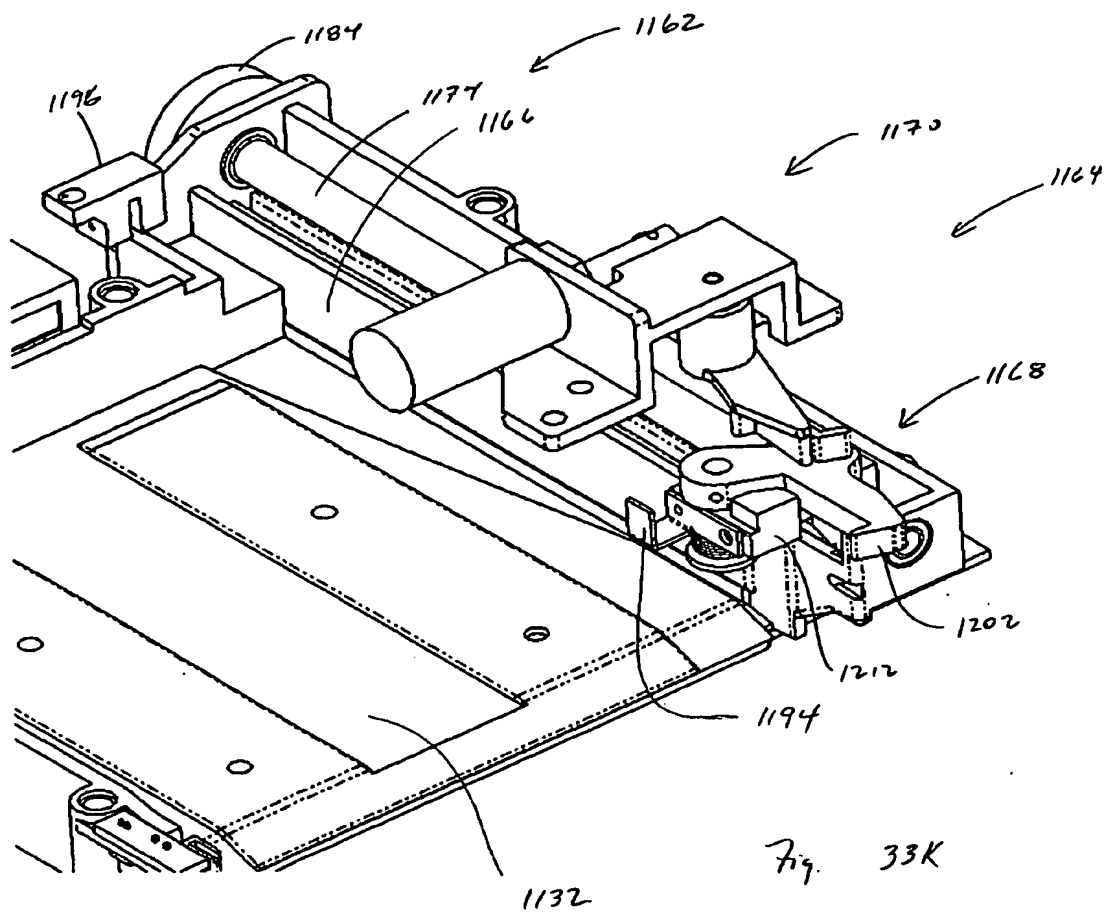


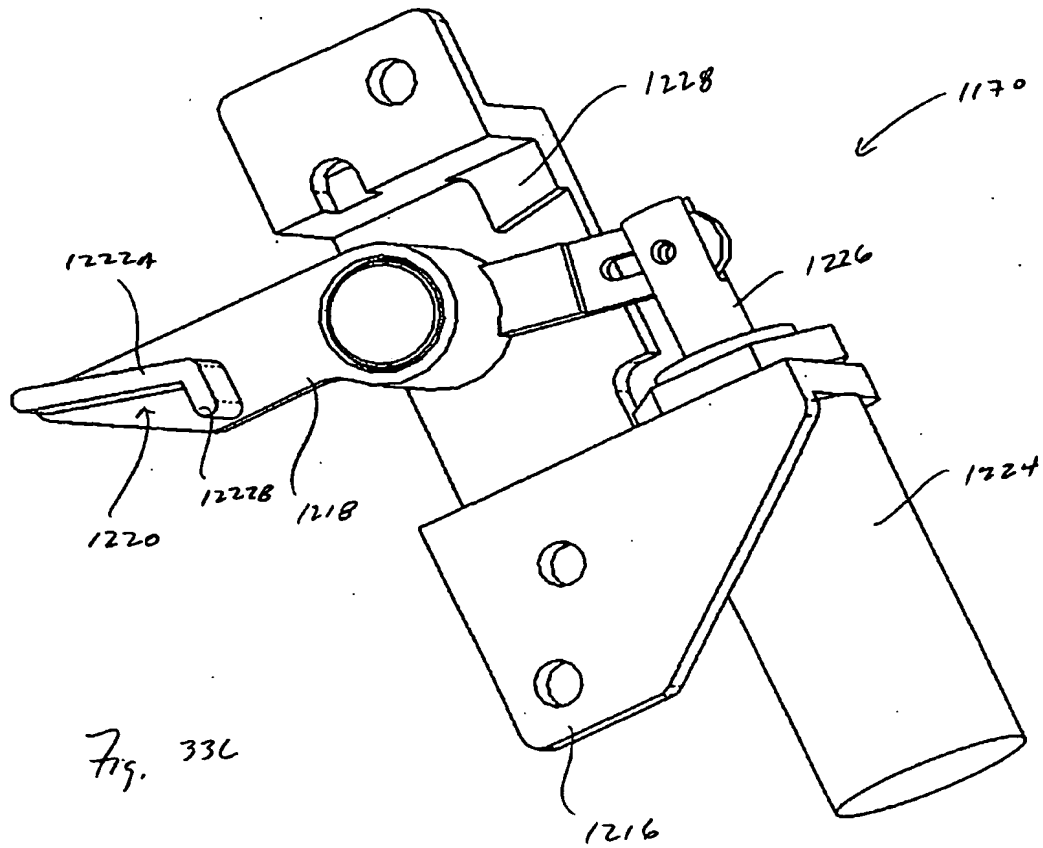


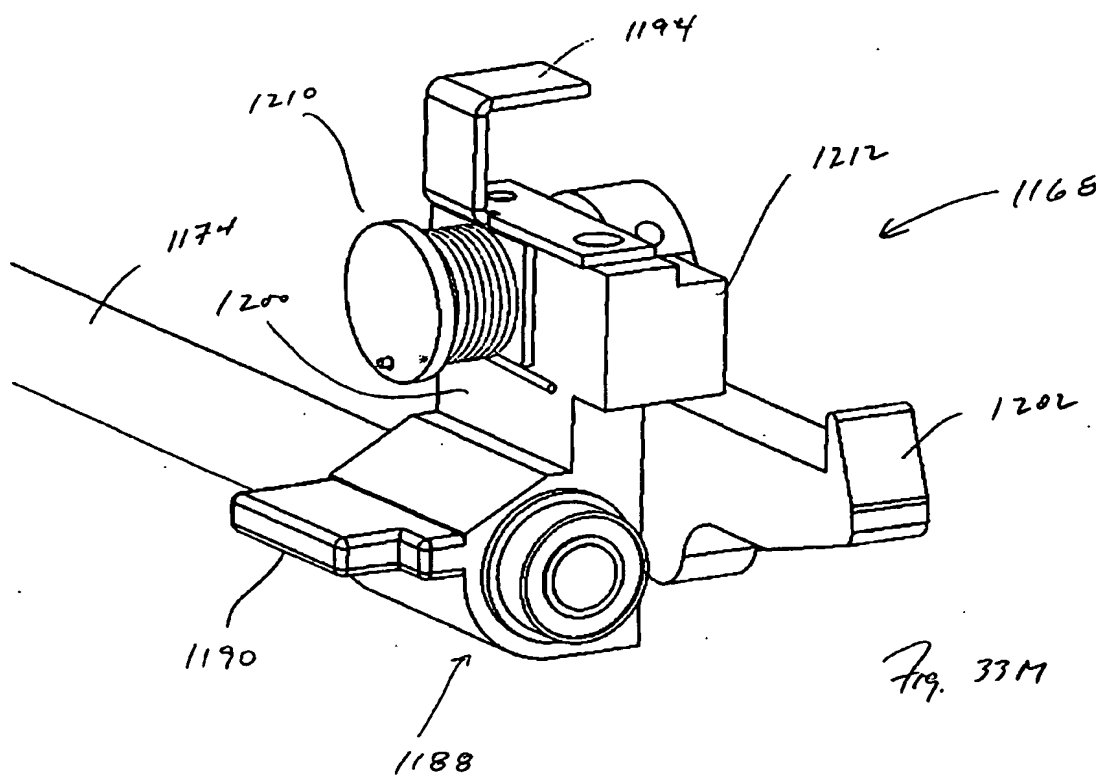


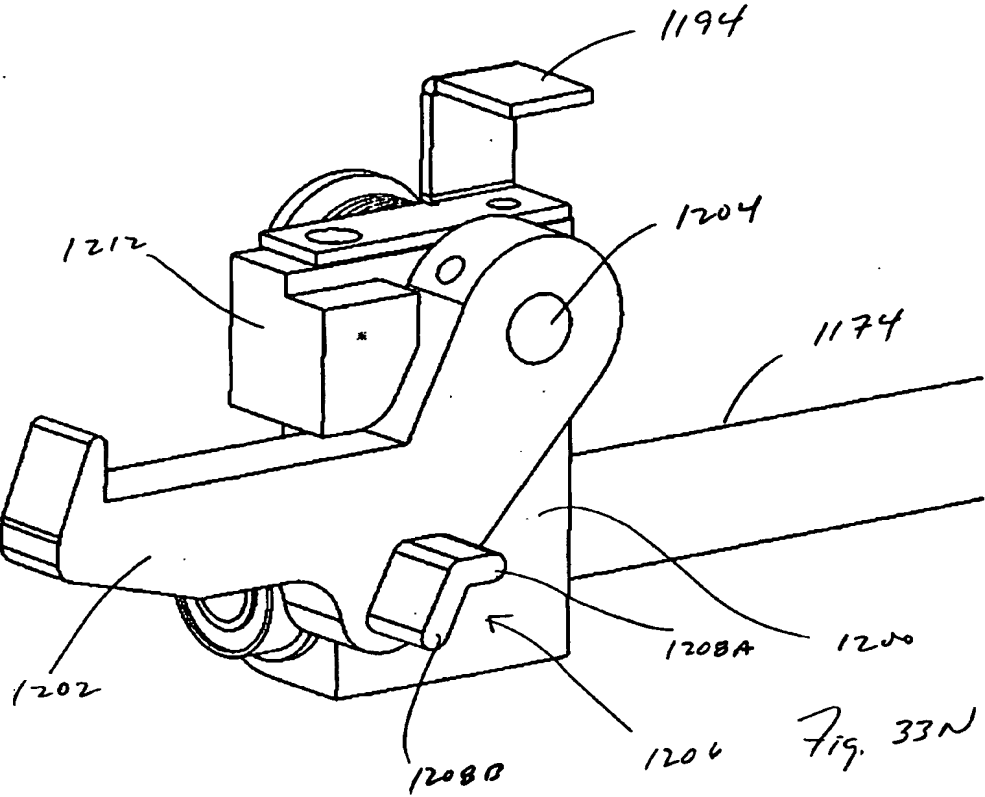












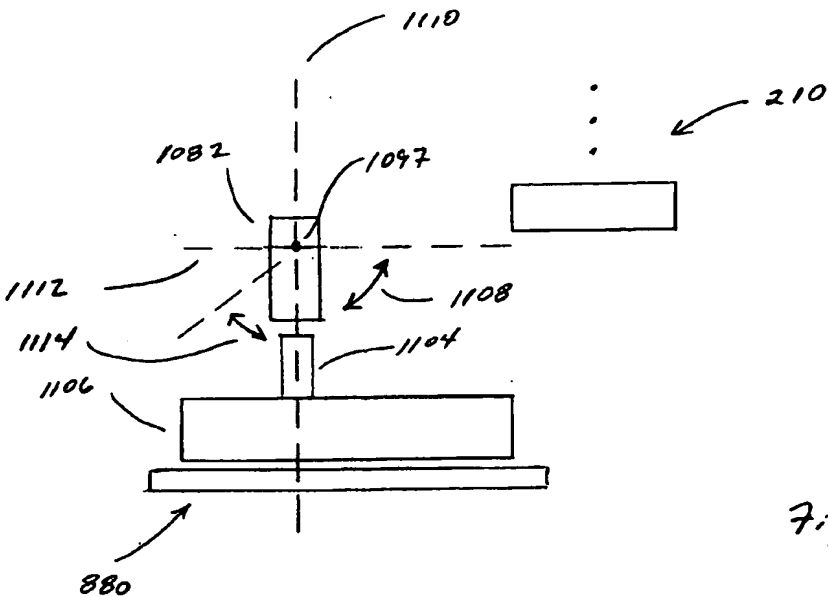


Fig. 34A

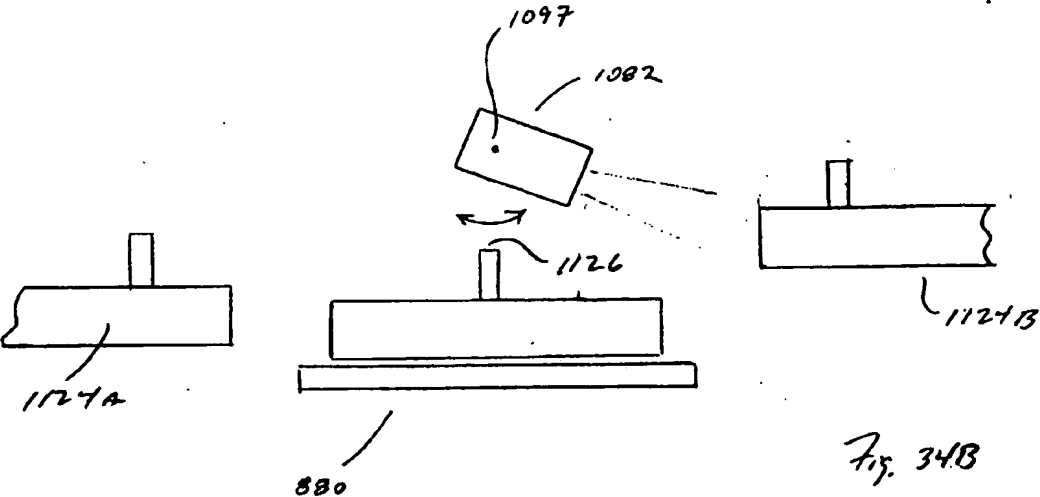


Fig. 34B

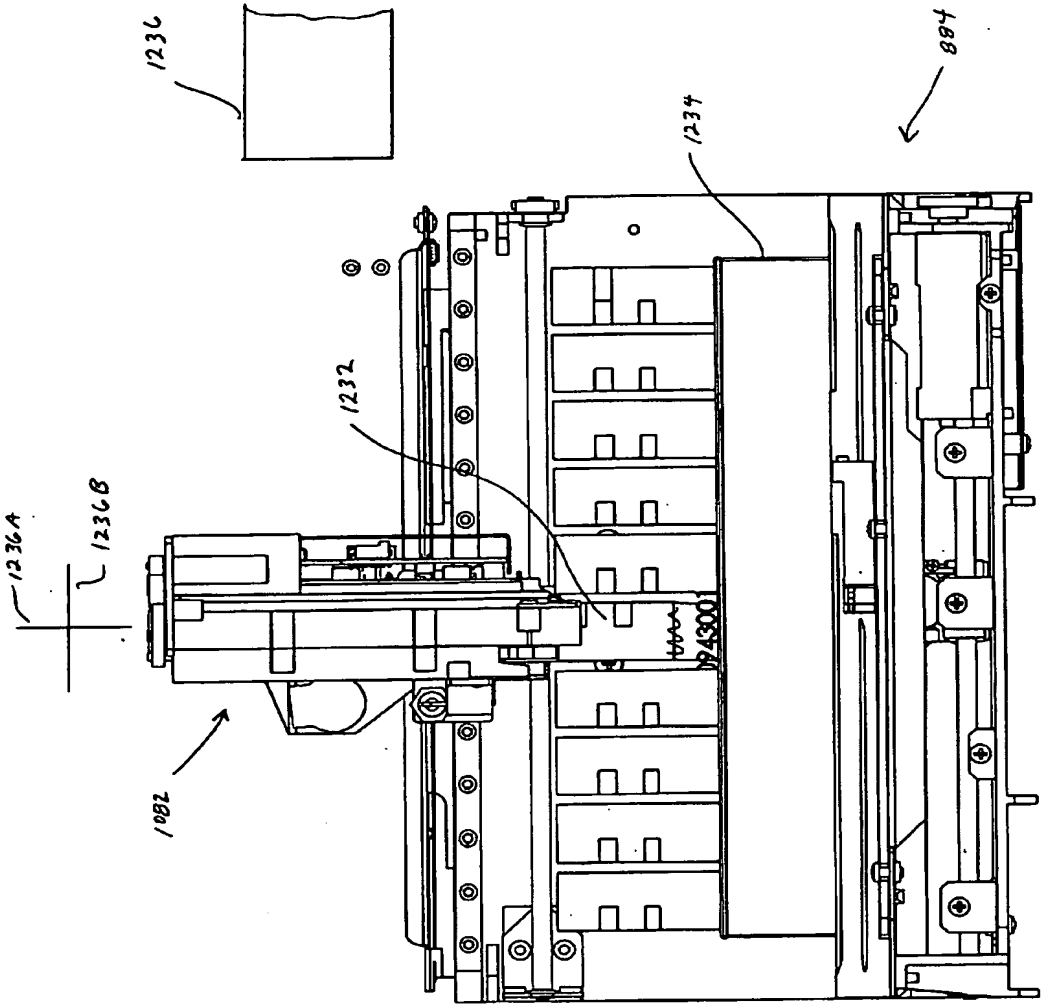


Fig. 35A

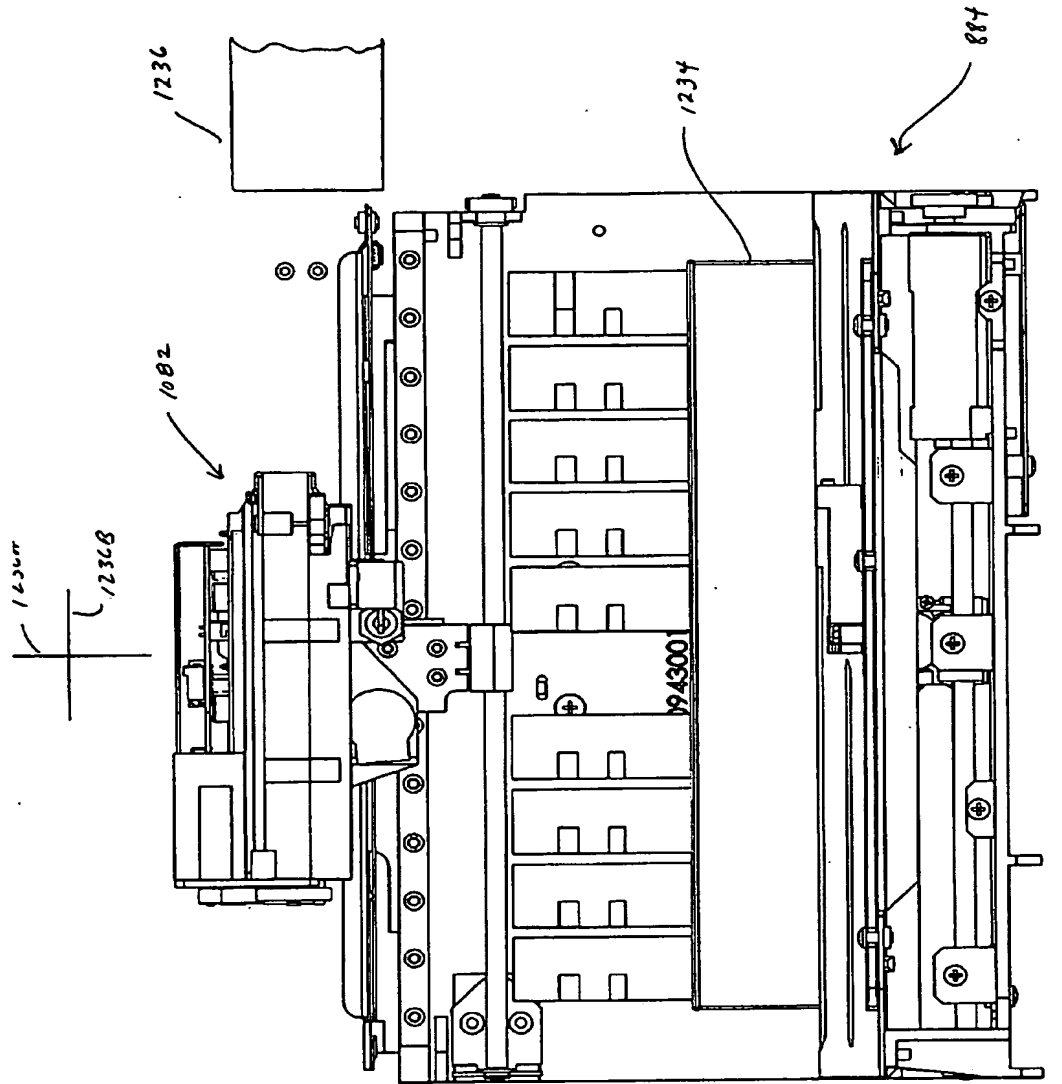


Fig. 35B

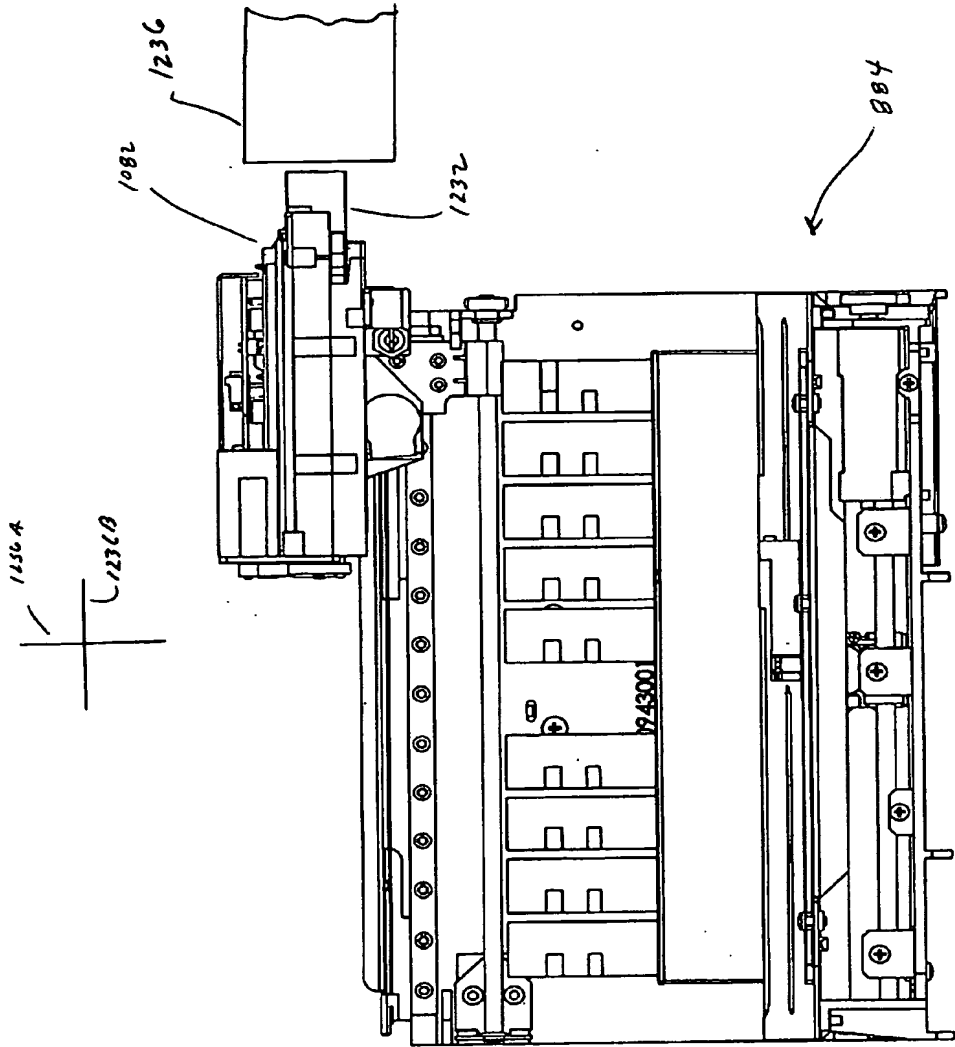


Fig. 35C

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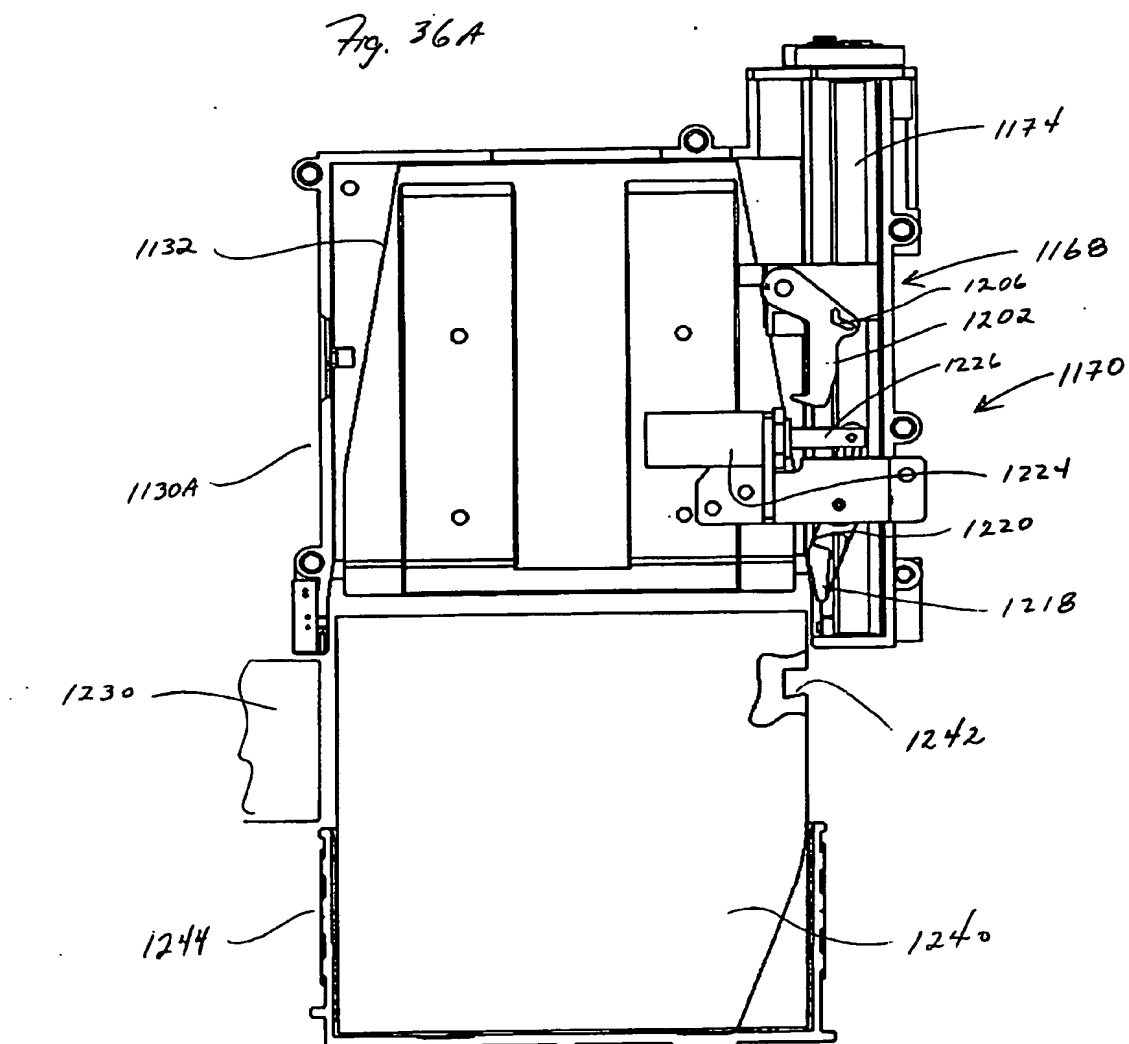
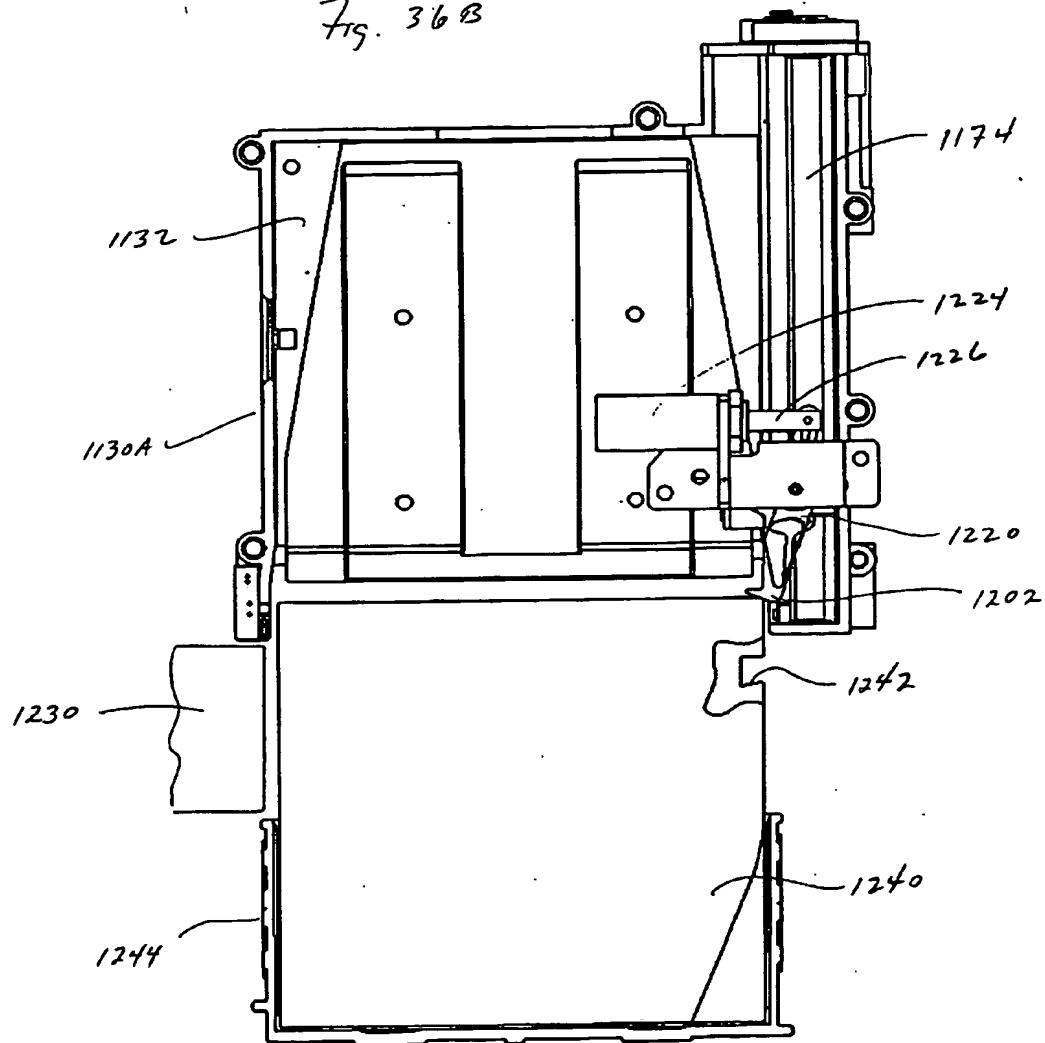
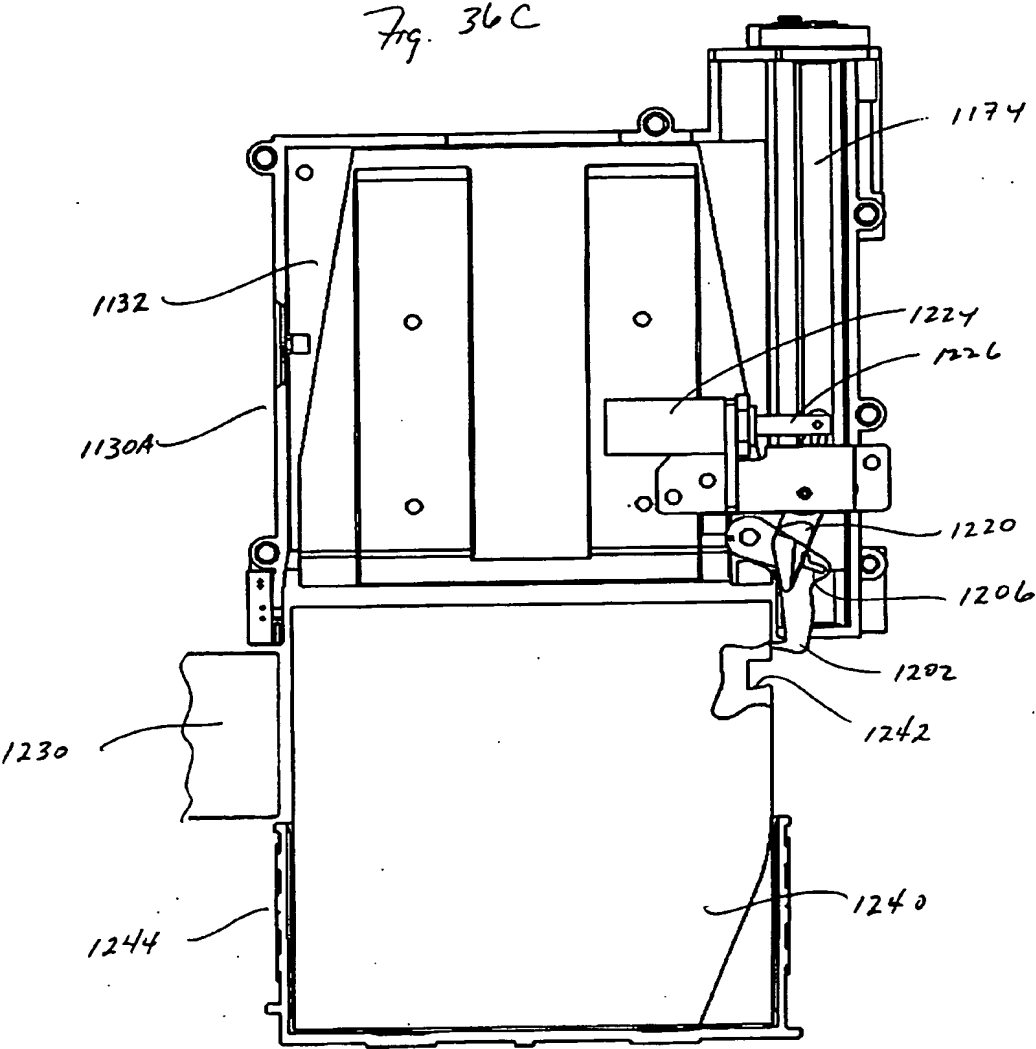
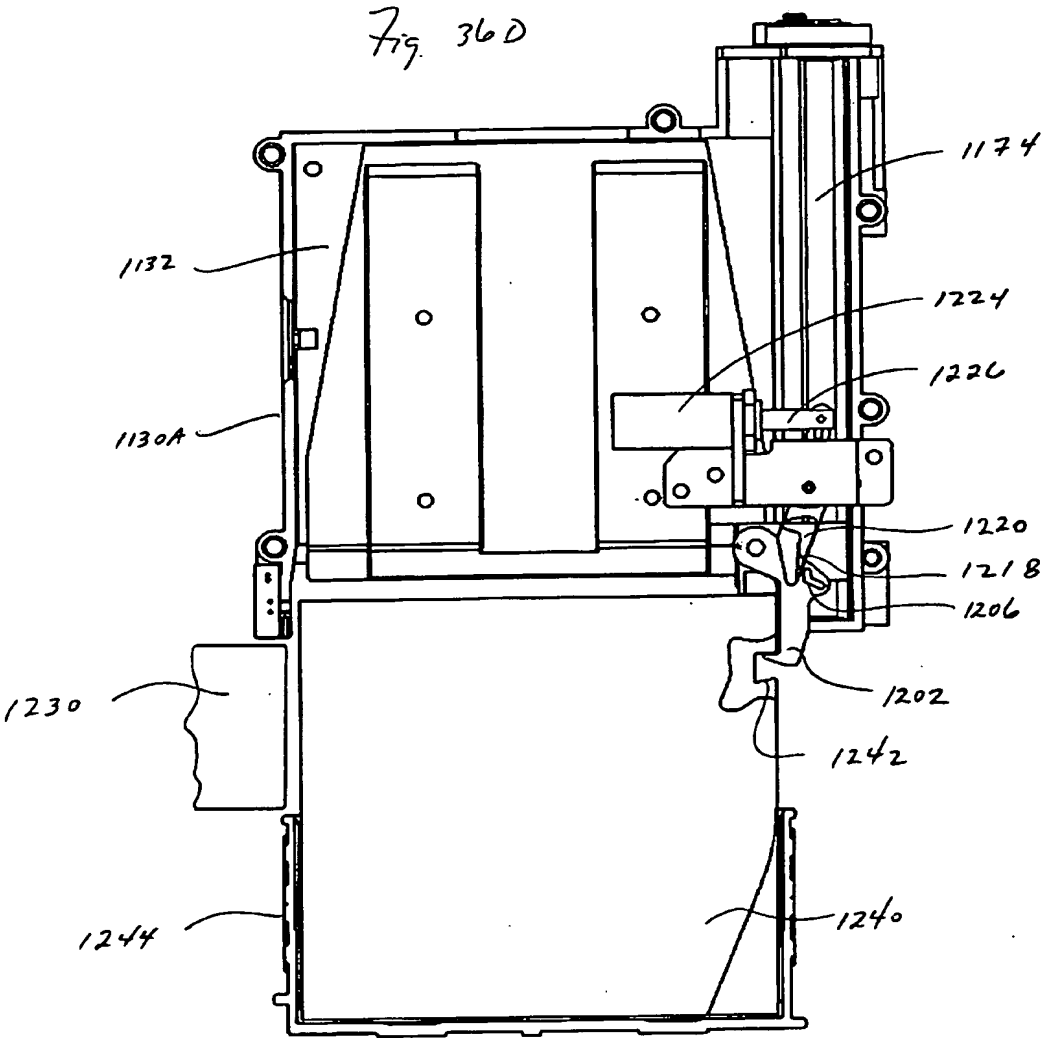
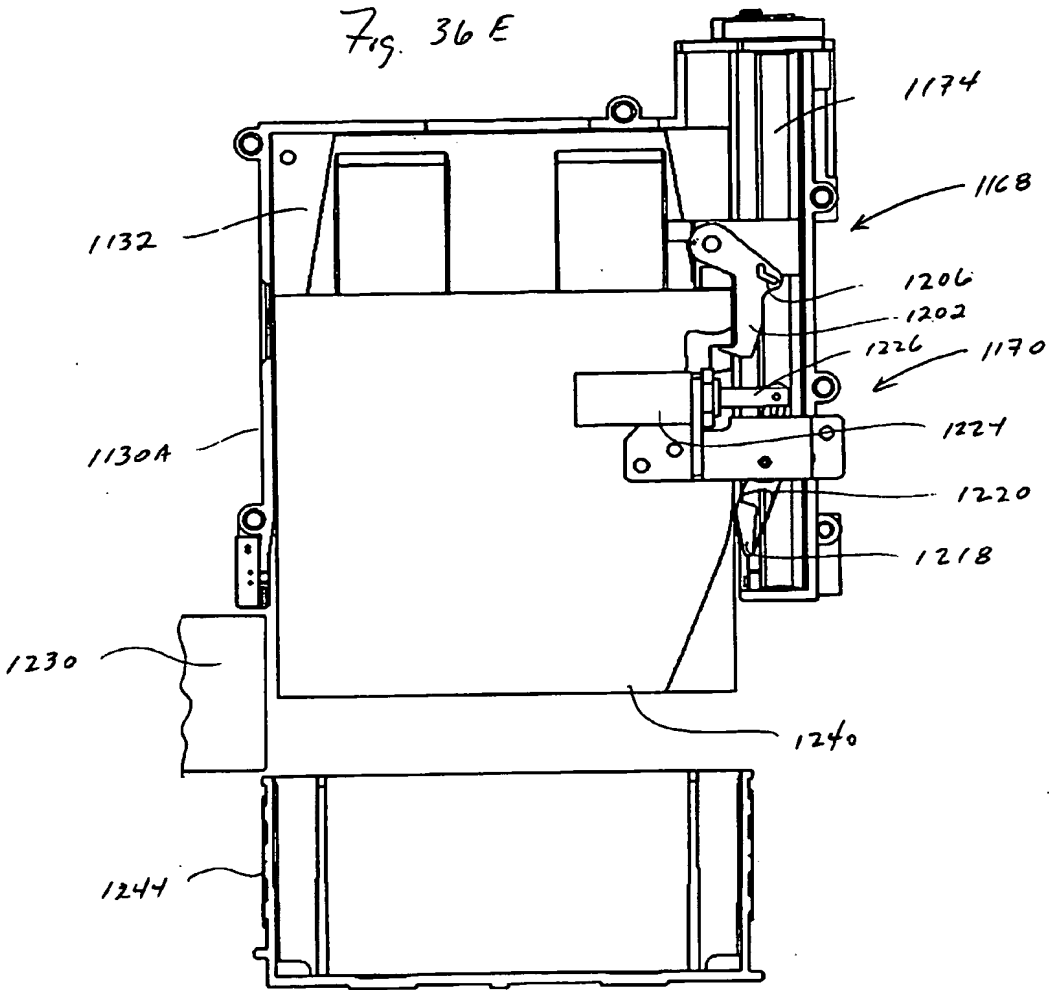


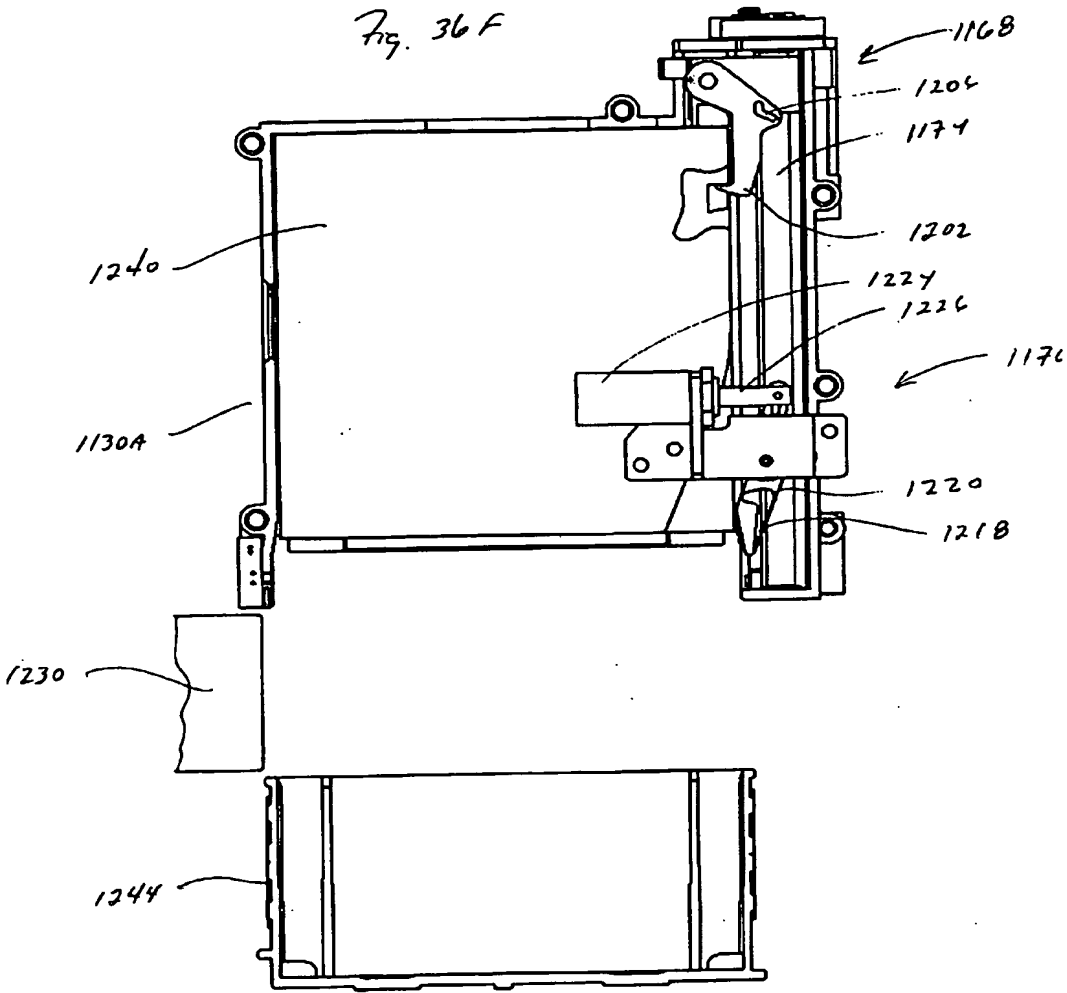
Fig. 36B

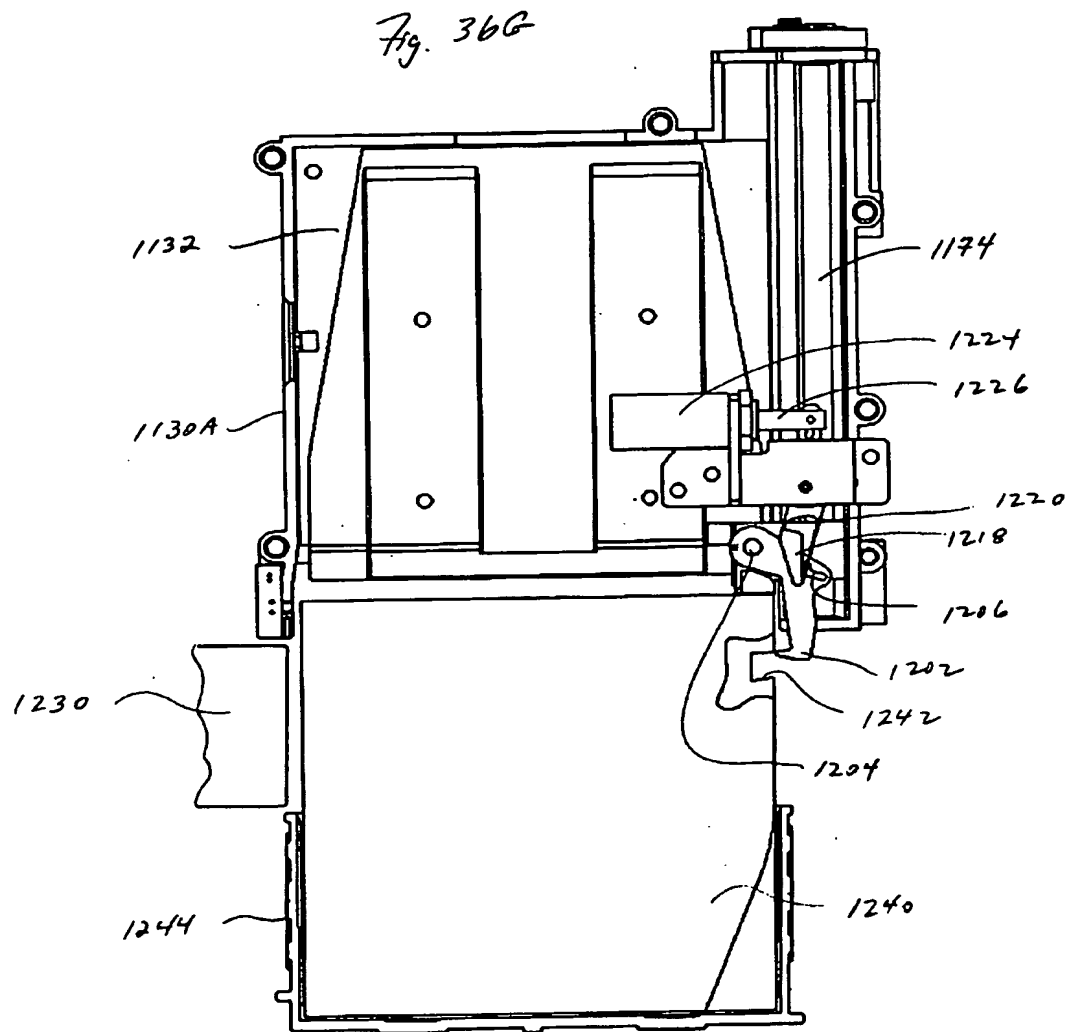












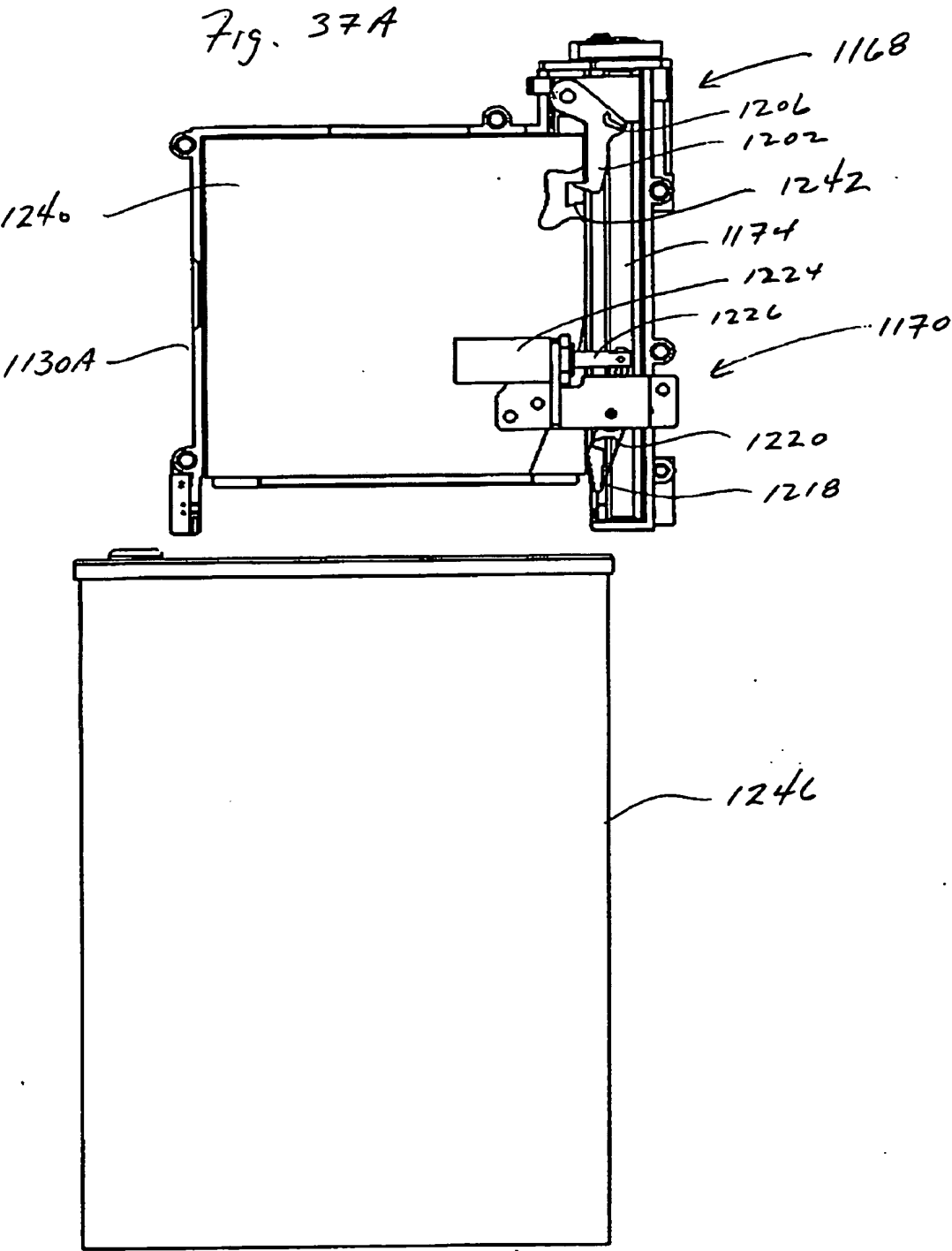
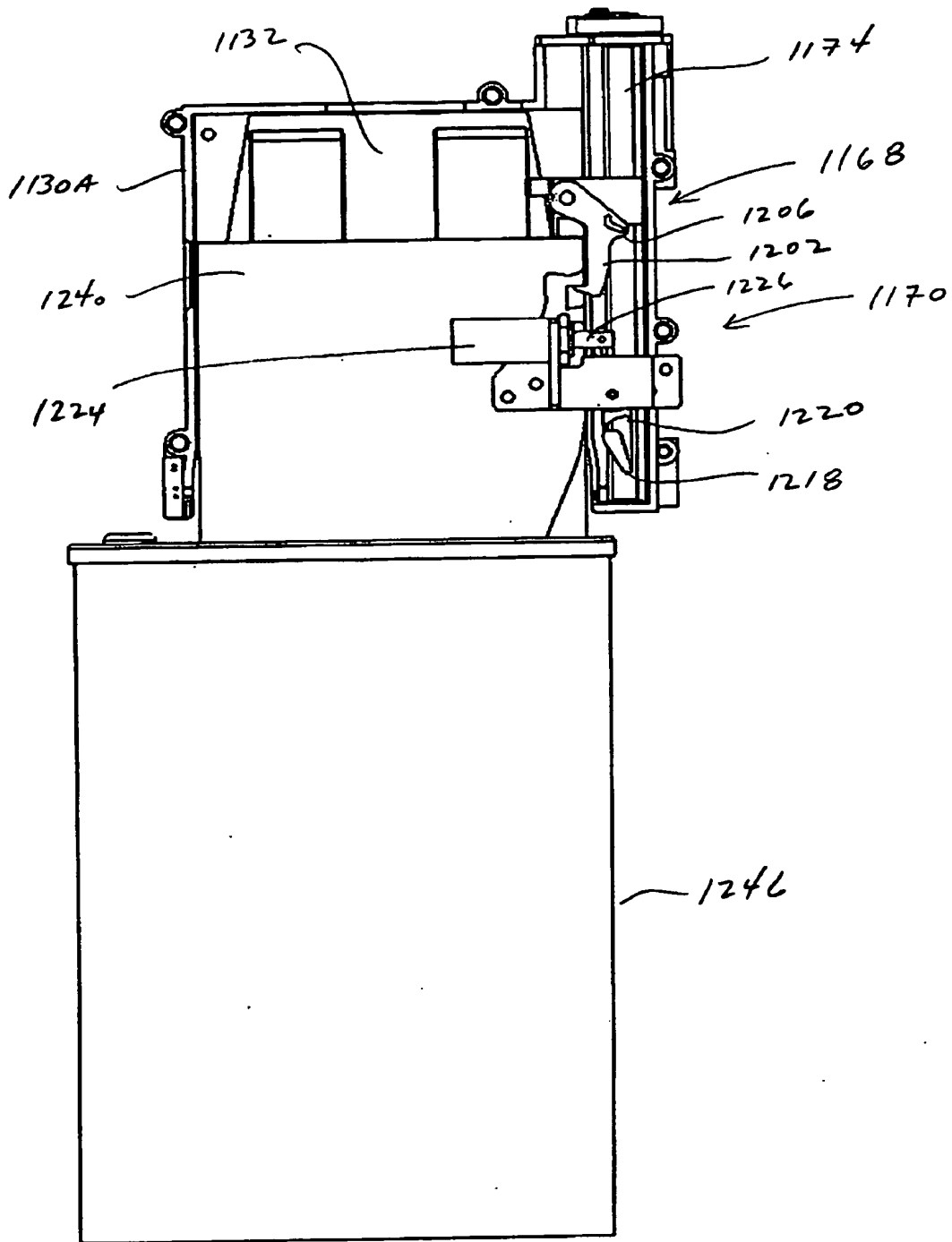


Fig. 37B.



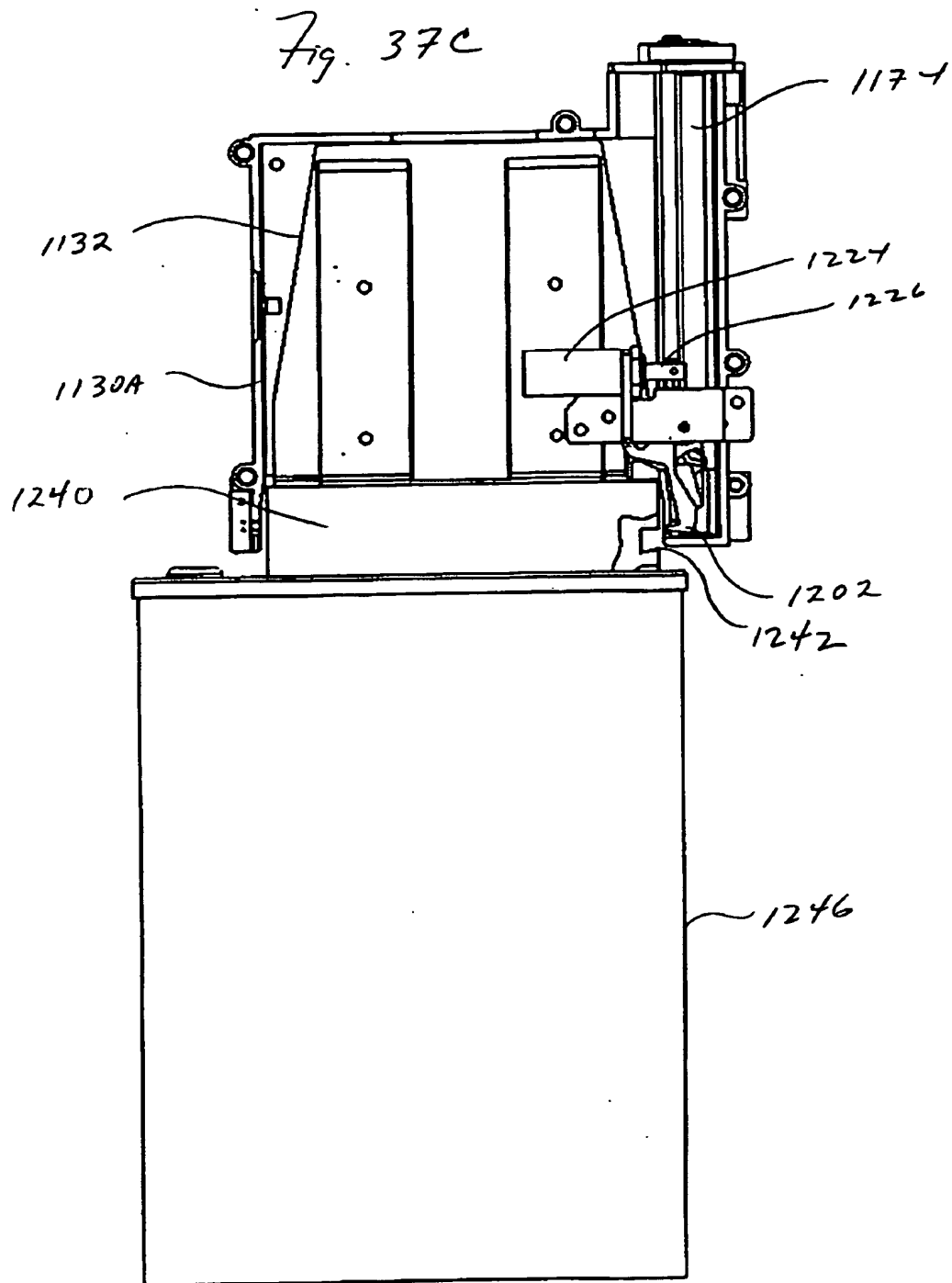
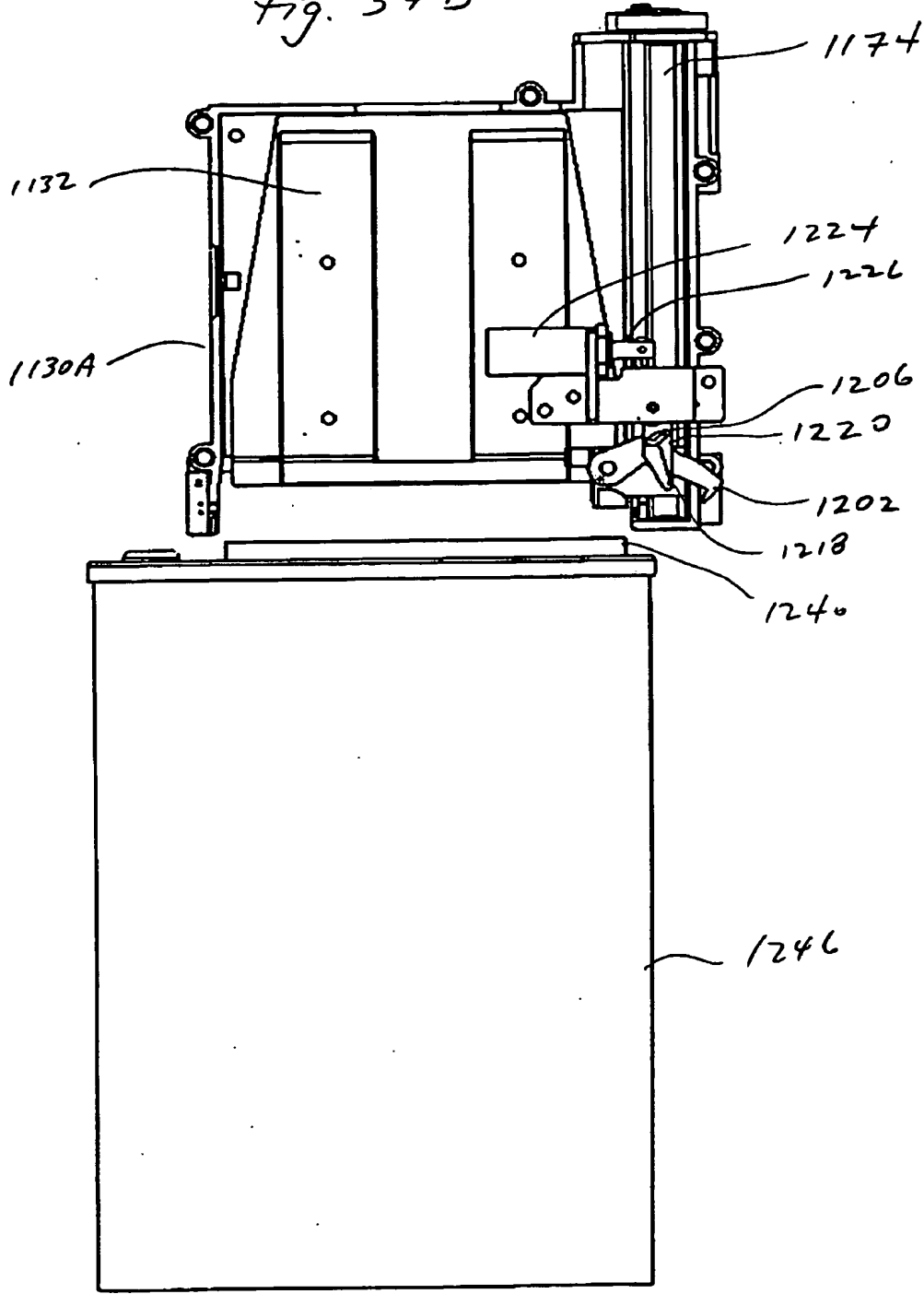
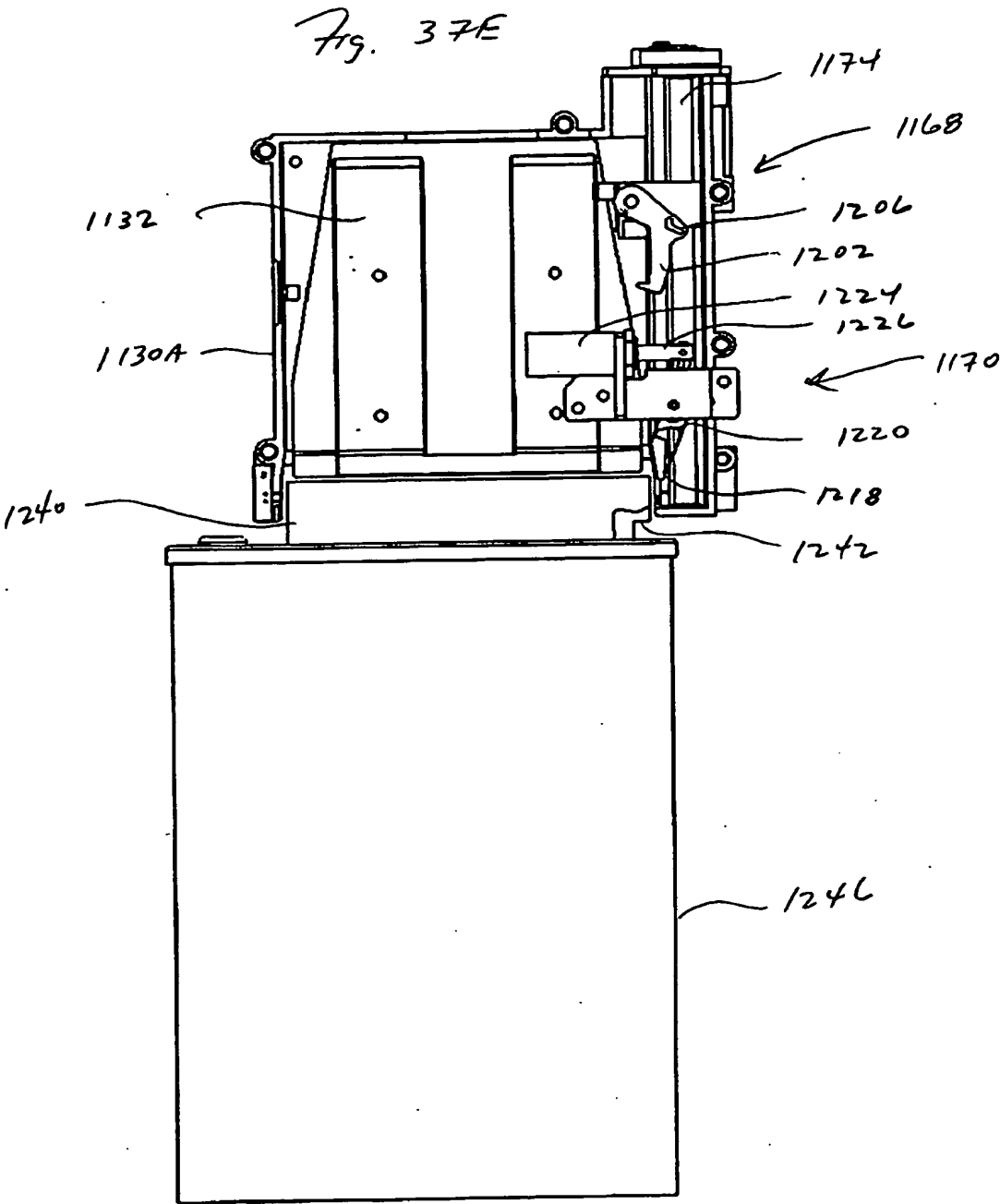
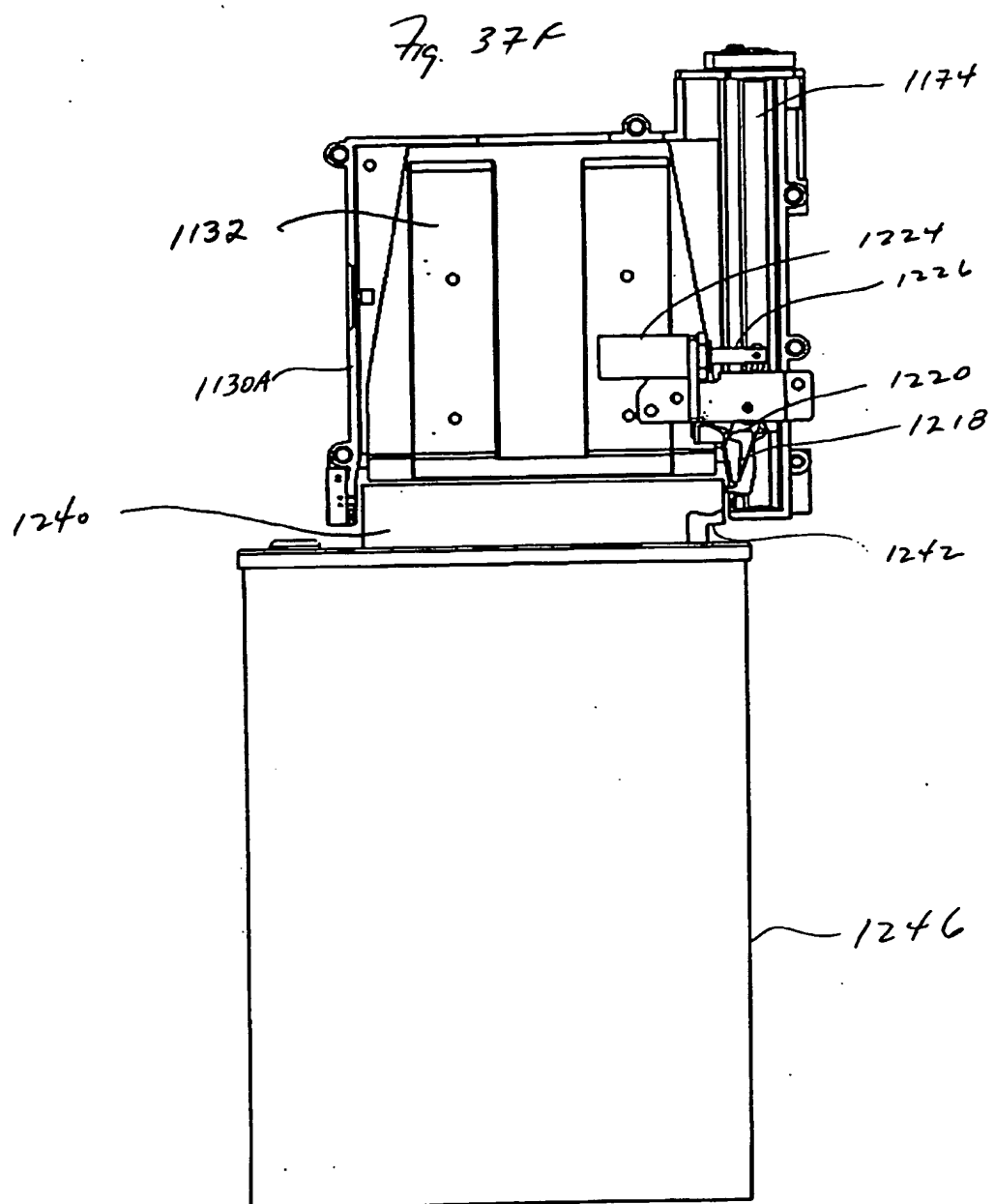
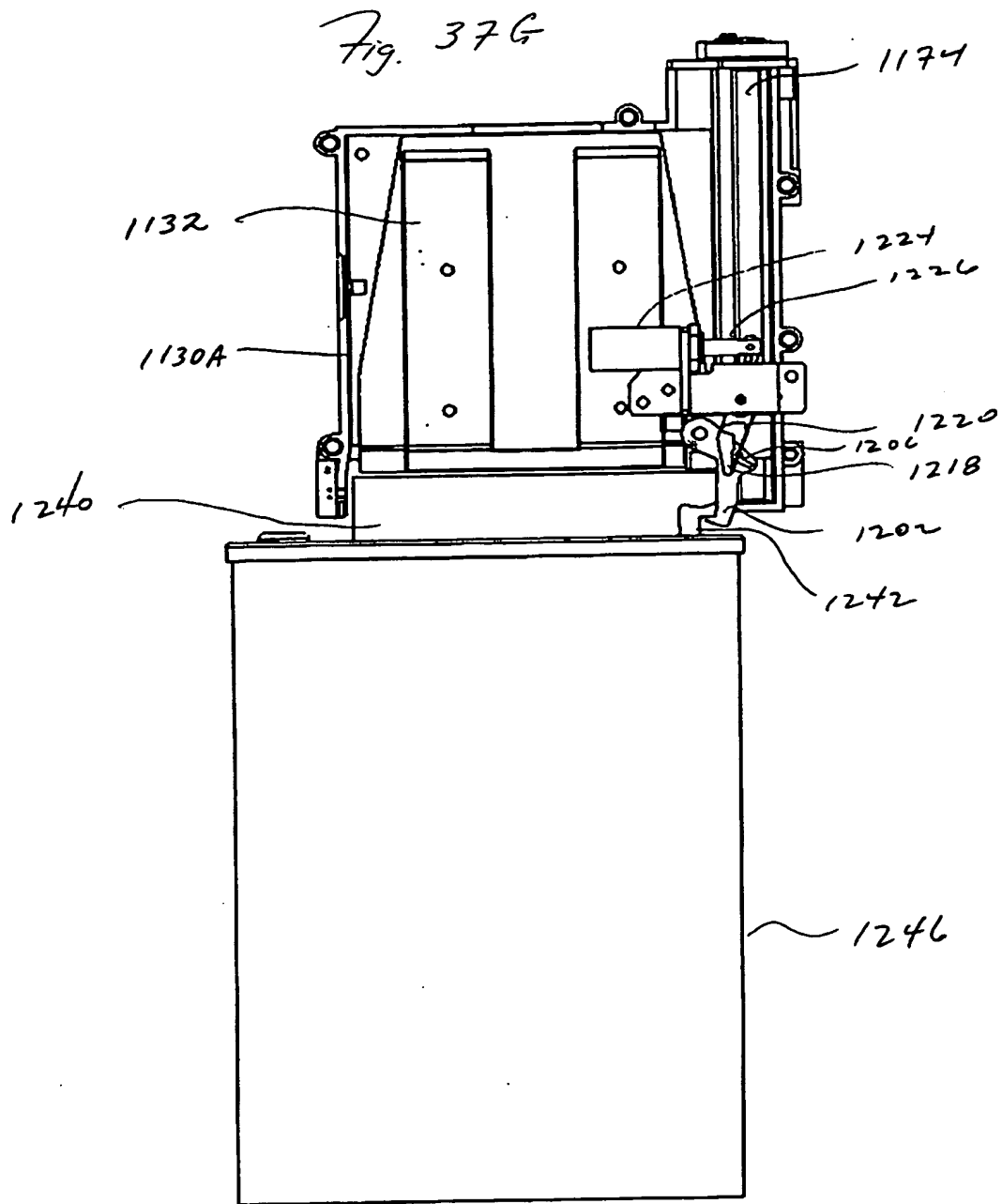


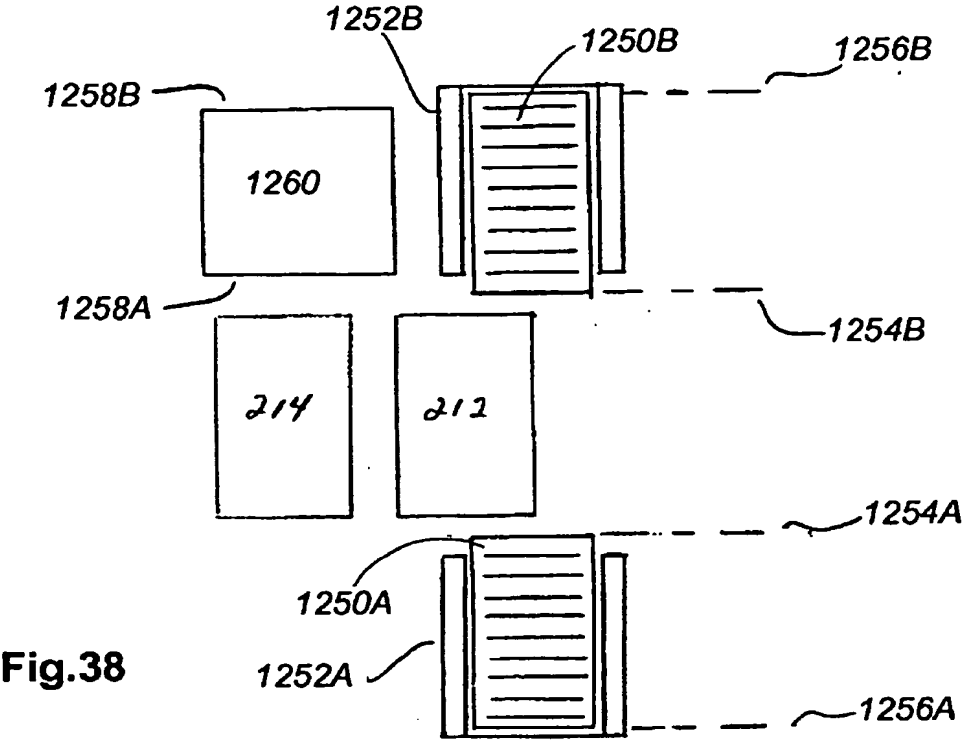
Fig. 37D











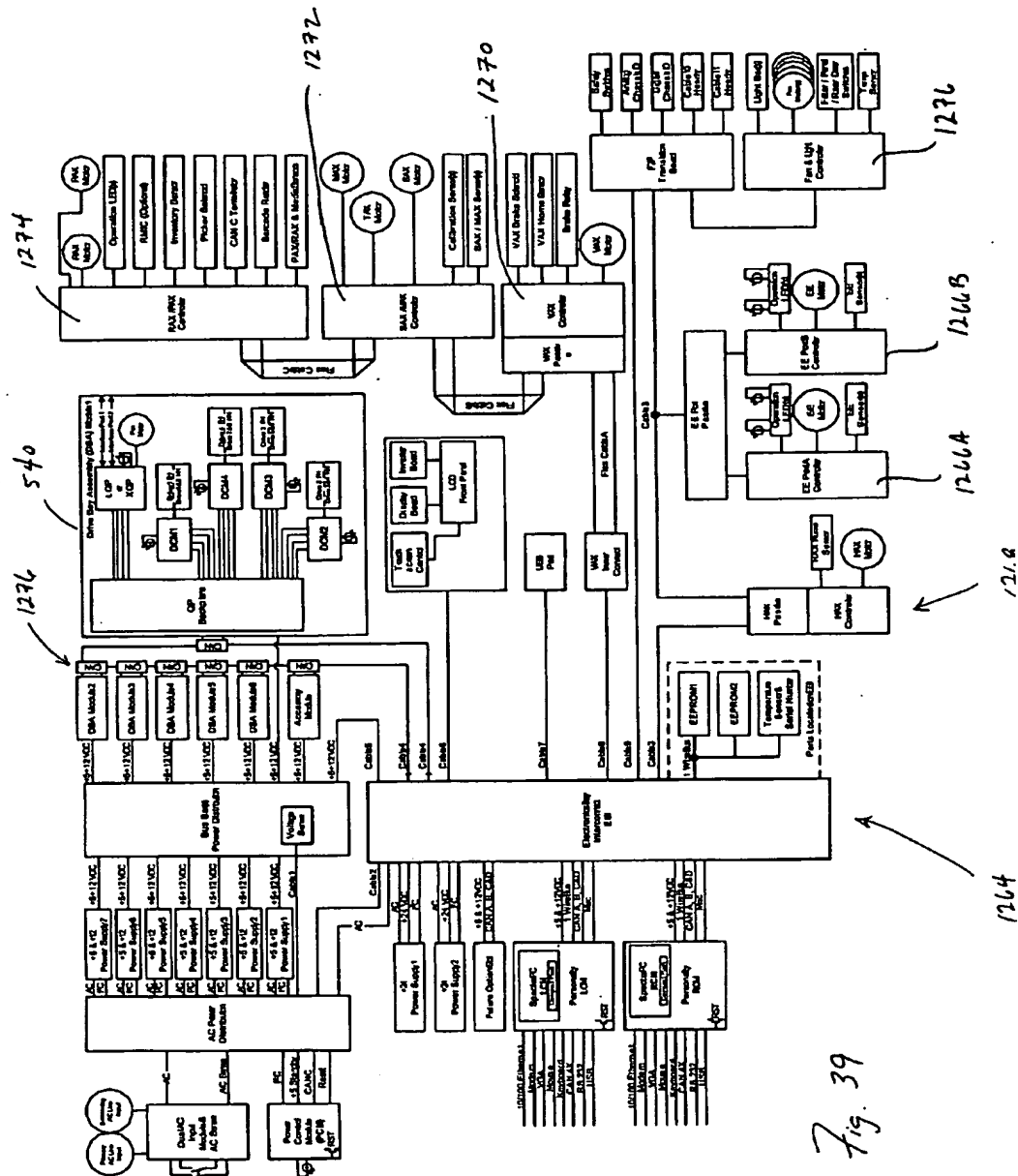
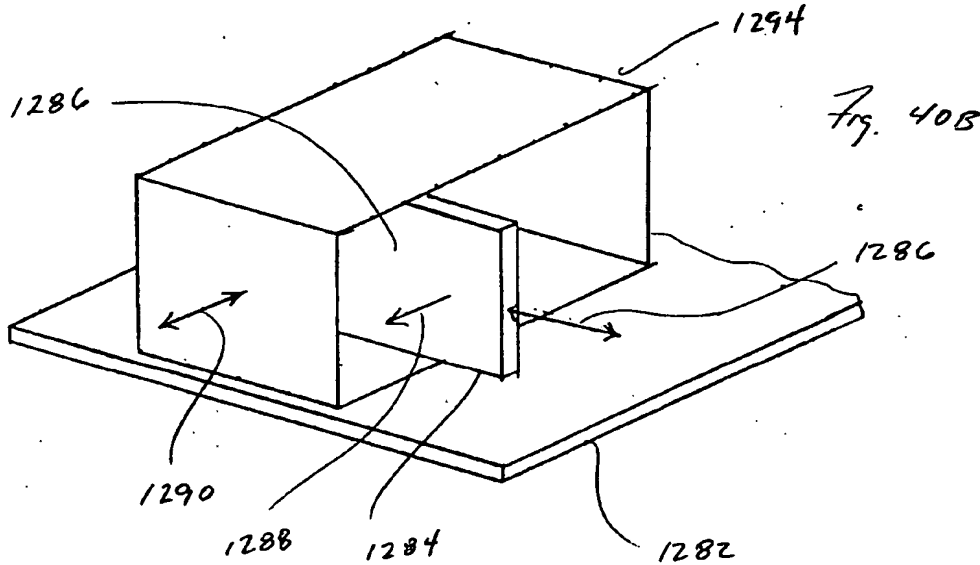
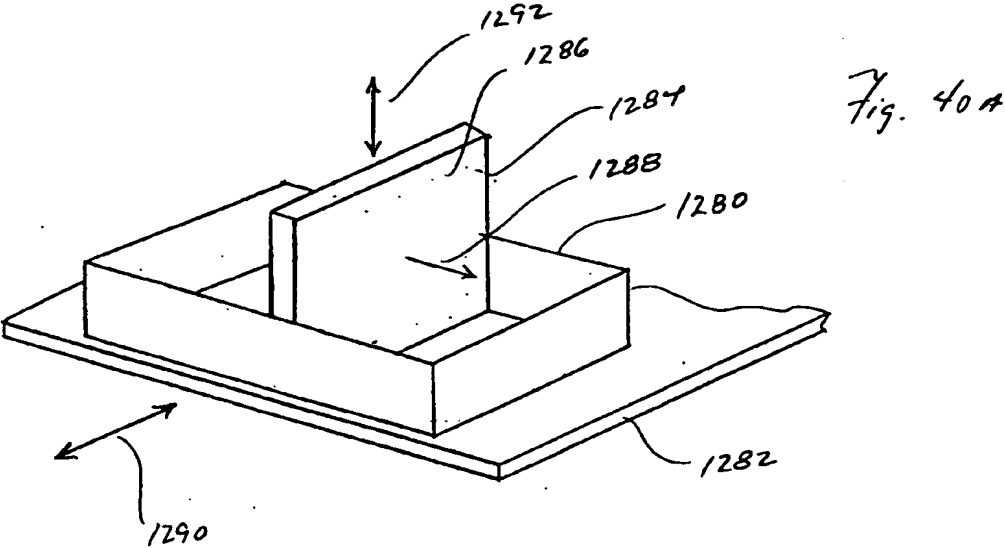
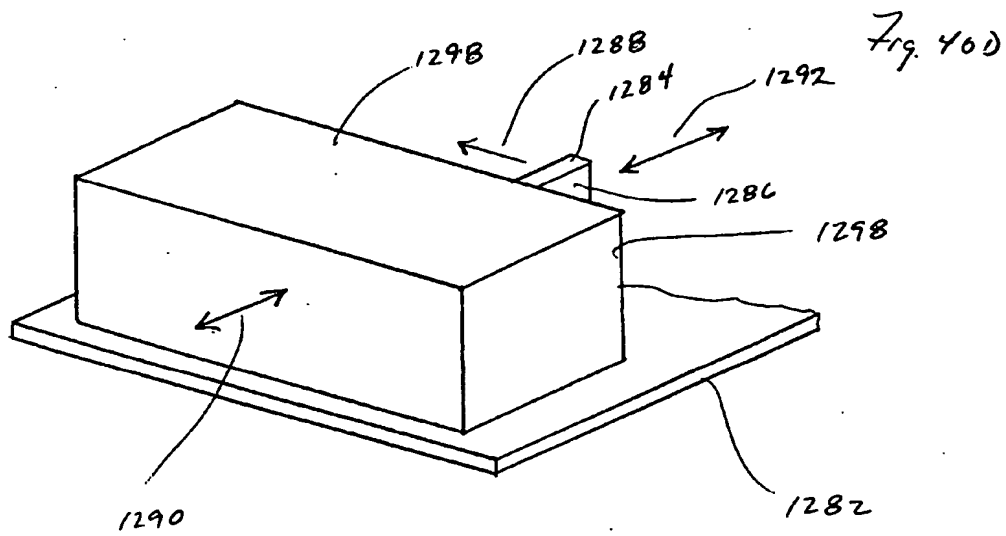
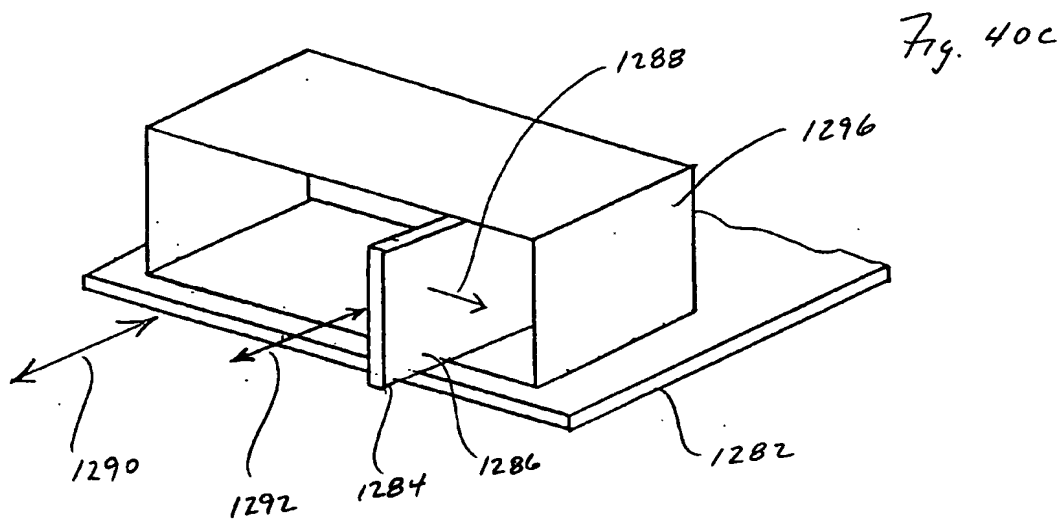
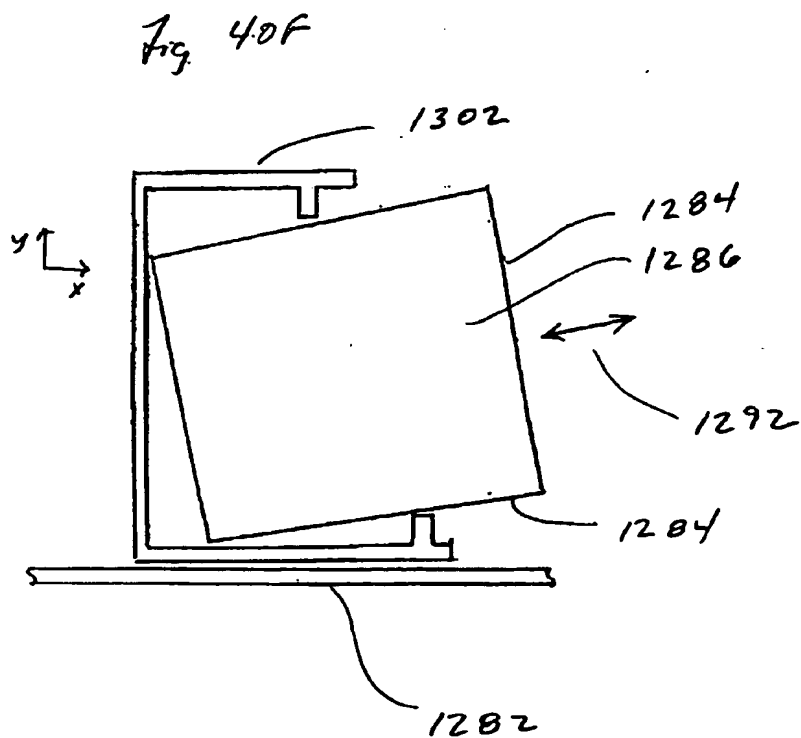
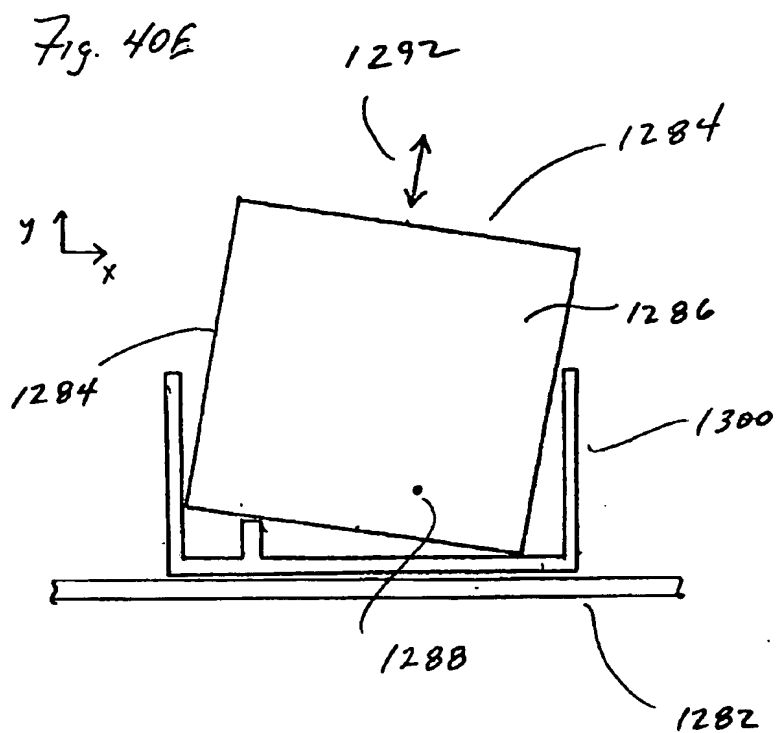
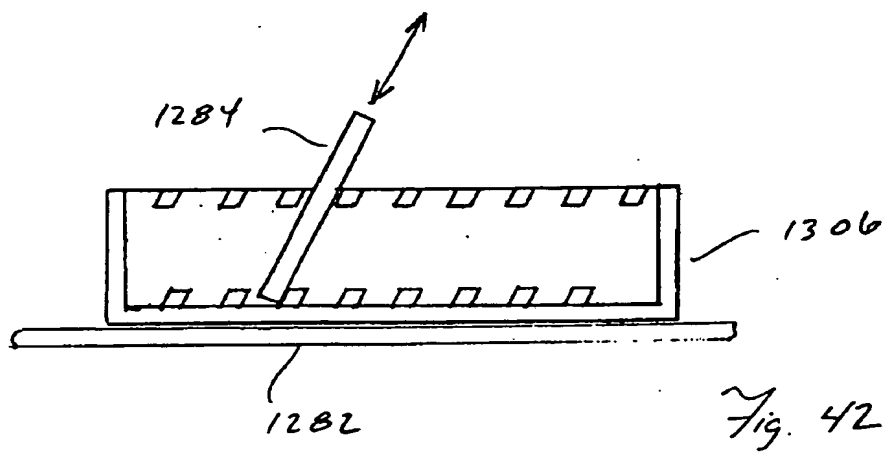
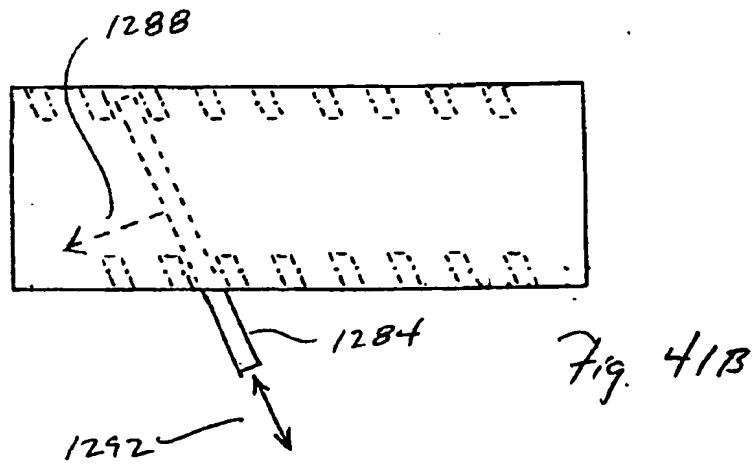
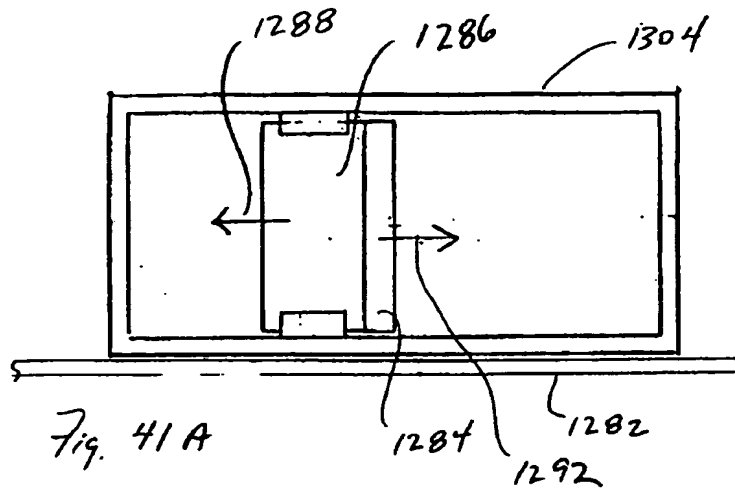


Fig. 39









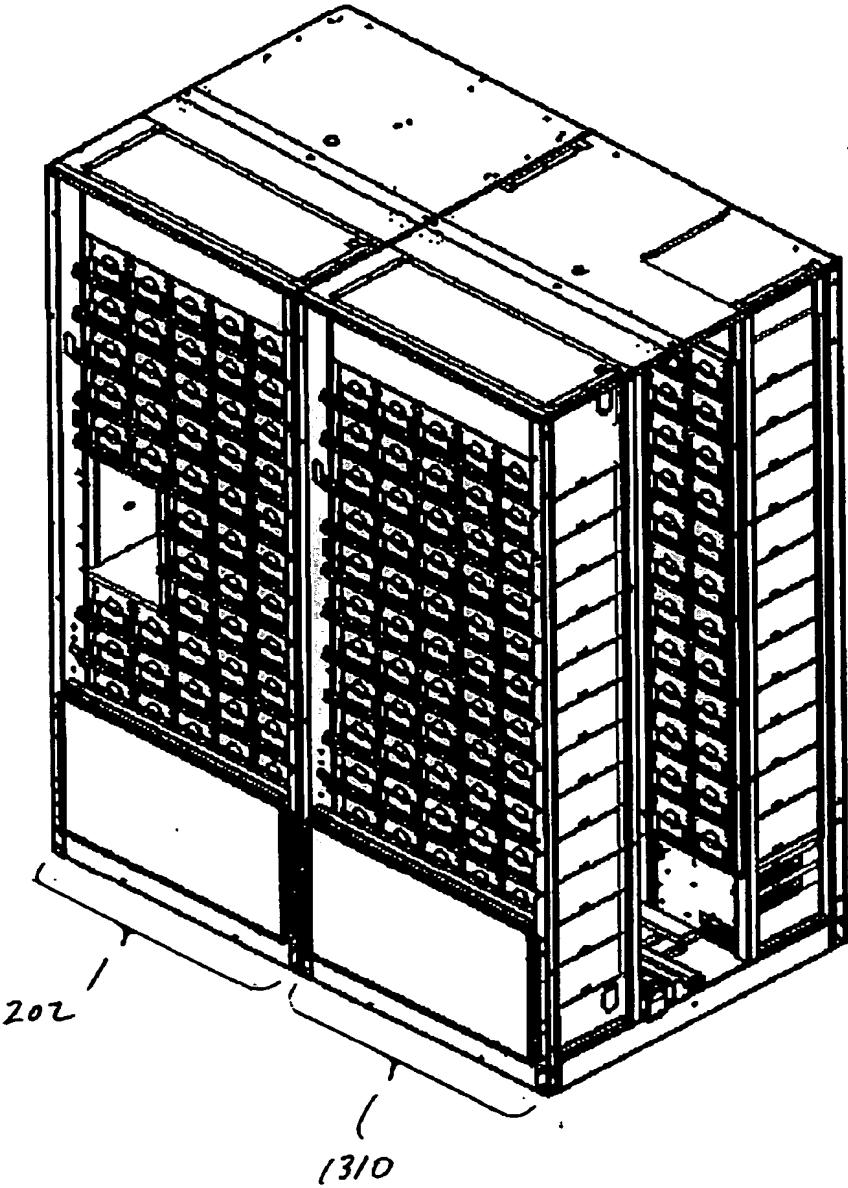
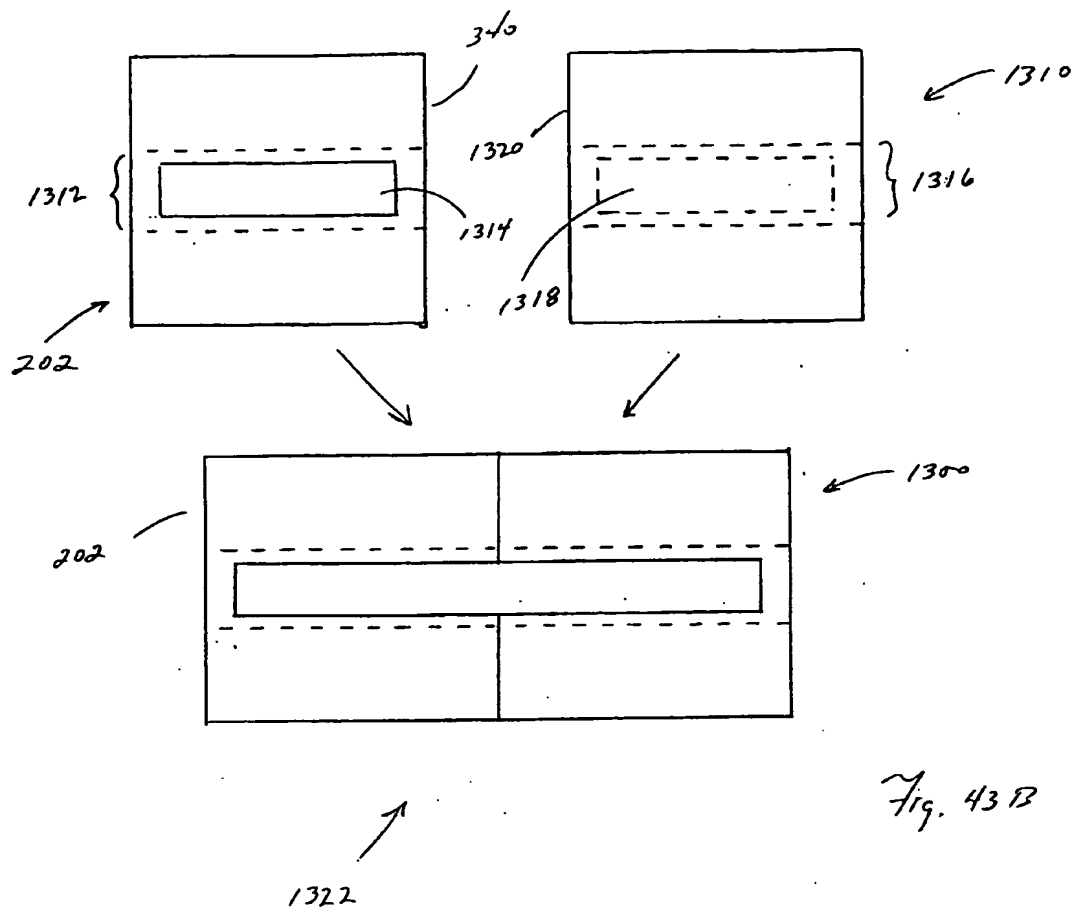
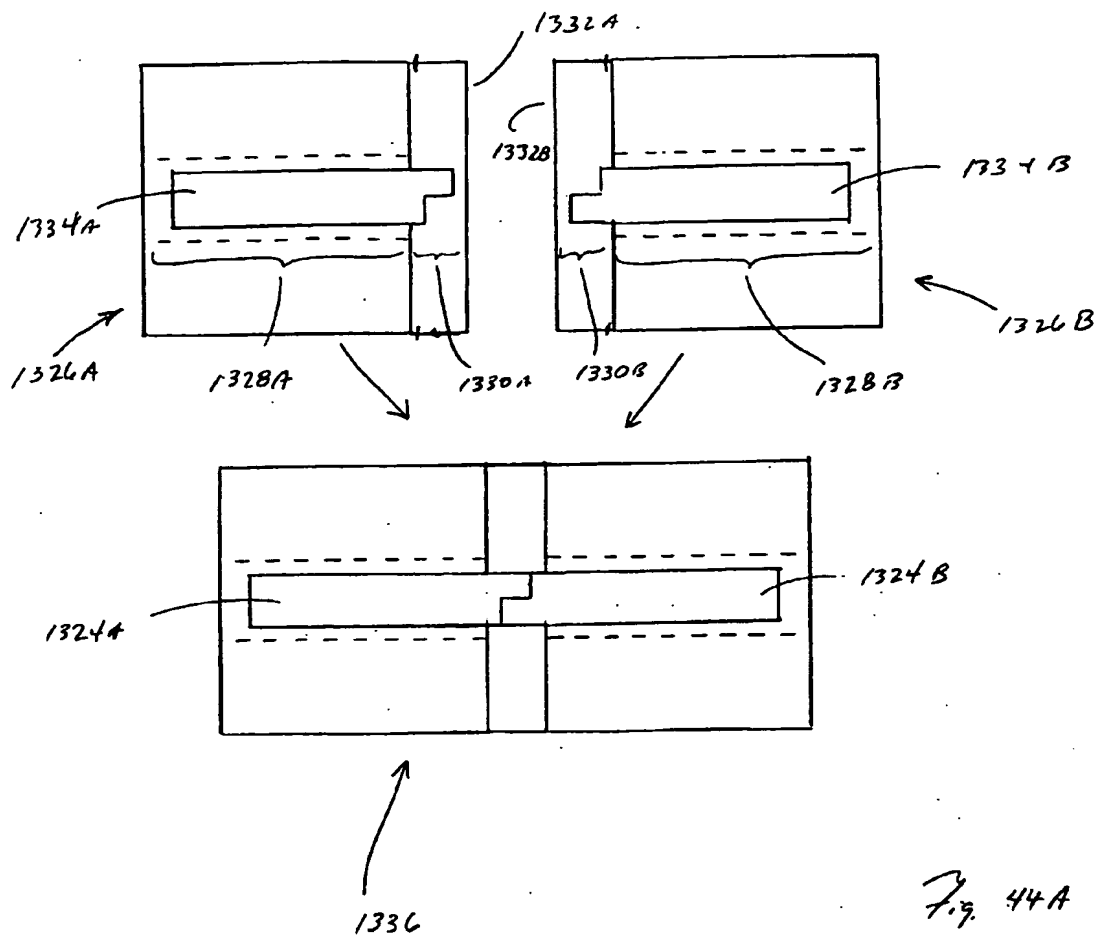


Fig. 43A





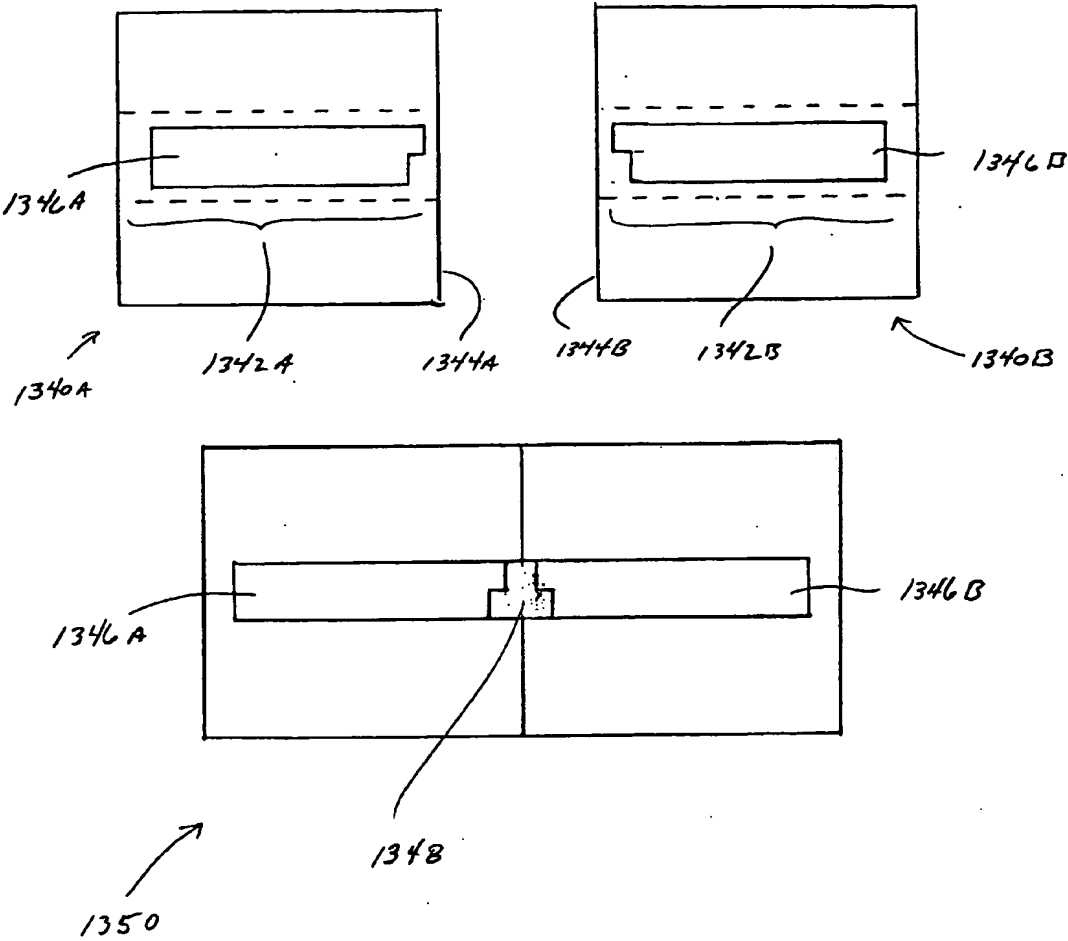


Fig. 44B

